

Rock Products

DEVOTED TO THE PRODUCTION
OF ROCK AND ITS PRODUCTS

Vol. VI. No. 1.

LOUISVILLE, KY., DECEMBER 5, 1906.

STONE EDITION

VULCAN CHILLED SHOT

FOR
Rapid Rubbing, Sawing,
and Turning Granite,
Marble, Slate, Onyx,
Hard and Soft Stones

VULCAN CHILLED SHOT

—MANUFACTURED BY—
VULCAN GRIT WORKS - ZANESVILLE OHIO
C. H. JONES, QUINCY, MASS. New England Agent.

VULCAN CHILLED SHOT

IS
A Superior Article. Let
Us Prove It. Write Us
Now For Samples and
Prices :: :: :: :: ::



STAR AIR COMPRESSOR

Manufactured by
St. Louis Steam
Engine Co.
15 S. Commercial St.
ST. LOUIS, MO.

Write for catalogue
especially for the retail
Monument trade.

TRY THIS SPACE

IF

You Want Orders

MICHAEL COHEN, St. James Building, Broadway and 20th St.,
NEW YORK CITY.

For patching all kinds of Limestones,

"DUGAN'S INVISIBLE PATCHER,"

For repairing marble, granite, sandstones, etc.,

"MEYER'S GERMAN CEMENT AND LIQUID."

Directions for using with every can.

Stock constantly on hand. There are no better materials on the market. "Nash's Cubing Book."

Read the other 57 varieties—

If you don't want the news.

ROCK PRODUCTS shoots at you—

Its columns cover the whole field.

Wardwell Electric and Steam Stone Channellers

FOR OVER 40 YEARS "WARDWELL'S"
HAVE STOOD FOR ECONOMICAL QUARRYING

GADDERS, STEAM DRILLS, BLOCK WAGONS, DERRICKS, WIRE ROPE,

QUARRY EQUIPMENT OF ALL KINDS.

STEAM STONE CUTTER COMPANY, :: :: ::

RUTLAND, VERMONT.

BALFOUR PINK GRANITE

IS THE

Only Real Pink Granite Quarried Today.

Is produced in large sizes and sold at prices lower than you are paying for other granites.

BALFOUR QUARRY COMPANY, Salisbury, N. C.

PULSOMETER STEAM PUMPS

SEE ADV. PAGE 9

This Space—**Costs Money**

It will pay dividends on the investment—Try It.

Green River Stone

THE STONE THAT GETS WHITE.

CADEN STONE CO., 411 to 425 E. Ohio St.,
Evansville, Ind.

Blocks Sawed, Planed and
Cut Stone for Building and
Monumental Purposes.

Send Plans for Estimates in
all kinds of Stone.

IF YOU ARE UNEASY

For Lack of Orders

USE THIS SPACE.

This Space is Waiting for Copy—

Your Advertisement would talk as loud here as a whole page in any other paper.

Lincoln
Quality
is HONEST Quality

The stone saw
for the
profit - want
is the

Let us quote you on
the gang saw you
want--or any machine
for working stone.
Write for Catalog K
---or state your needs.

Stone-Working Machinery
built for speed *and* precision---
you can buy less for less, but
never so much for *the* money

LINCOLN - MERRIMAN CENTER-CRANK GANG

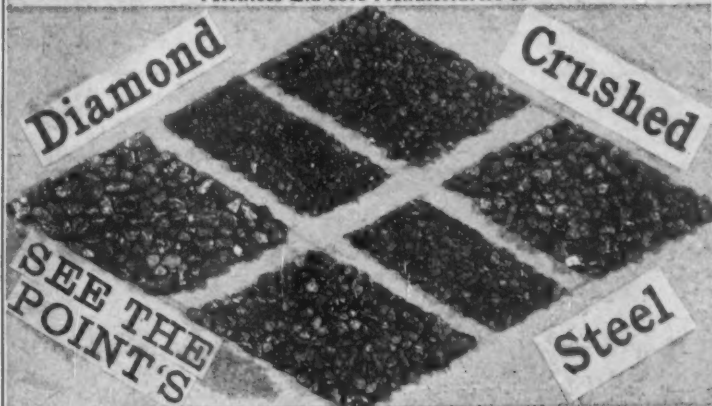
† Heaviest gang built---20,000
pounds with steel frame, 24,000
with timber frame. † 72-inch
balance wheel weighs 2,000
pounds. † Never knew our

center-draw crankshaft to break.
† Whole saw built for service,
speed, easy running---screwfeed
assures accurate cut and no
racking nor waste power.

LINCOLN IRON WORKS
RUTLAND VERMONT

Pittsburg Crushed Steel Company, Ltd.
PITTSBURG, PA., U. S. A.

Patentees and Sole Manufacturers of



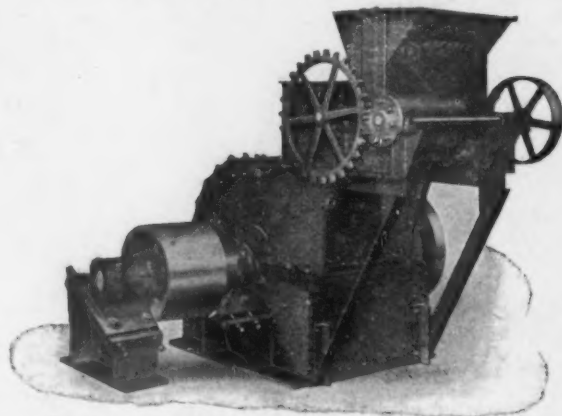
Angular in shape, made from high grade Crucible Steel. Tough and
lasting. Saws, Rubs, Grinds, Polishes Granite, Stone, Marble, Brick,
etc., etc. Does it cheaper and faster than any other Abrasive. Write
for prices and samples.

Sole Agents for Celebrated "Samson" Chilled Shot. Samples and
prices furnished on application.

AIR Compressors
Stone Tools
of every description.
Catalogue Gratis.
American Air Compressor Works, 26 Cortlandt Street,
NEW YORK CITY.

Jeffrey Crusher

With Automatic Feed Device



A Valuable Addition, Machine Heavily Constructed

BUILT FOR WEAR.

Send for catalogue No. 30 for details.

Elevating, Conveying, Screening, Drilling, Mining,
Power Transmitting.

The Jeffrey Manufacturing Company
COLUMBUS, OHIO, U. S. A.

NEW YORK CHICAGO BOSTON ST. LOUIS DENVER

Vo

Sp

7
tion
me
die
dec
Ca
ton
an
ma
is
me
ple
in

on
Bo
son
Me
co
to

An
bu
pa
Ca
th
Cu
m
G.
ad
en
Cl
G
ve
w
jo
ca

yo
le
of
yo
fo
in
10
2
3
4

fo
M

Rock Products

DEVOTED TO THE PRODUCTION
OF ROCK AND ITS PRODUCTS

Vol. VI. No. 1.

LOUISVILLE, KY., DECEMBER 5, 1906.

STONE EDITION

VICKSBURG MILITARY PARK.

**Splendid Memorial Erected by State of Iowa
to Soldiers Who Fought in Famous
Siege Is Dedicated.**

The Iowa State Memorial in the Vicksburg National Military Park, erected by that state to the memory of the soldiers from Iowa who fought and died in the siege of the Mississippi city, was dedicated November 15 with imposing services. Capt. J. F. Merry, of Manchester, Iowa, originator of the Vicksburg National Military Park plan and chairman of the Commission, presided and many prominent men took part. The memorial is said to be one of the most beautiful monuments in the Vicksburg park, which when completed will be the most beautiful park of its kind in the world.

The memorial, an illustration of which is shown on this page, was designed by Guy Lowell, of Boston, Mass., architect, and Professor H. H. Kitson, of Boston, Mass., sculptor, and was built by Mead, Mason & Co., also of Boston, Mass. It is constructed of Barre White Granite and is said to present a most pleasing appearance.

In the dedication exercises the Warren Light Artillery, of Vicksburg, school children of Vicksburg and the 55th Iowa Regimental Band took part. The speech of presentation was made by Captain Merry and the acceptance on behalf of the state of Iowa was made by Governor A. B. Cummins. The latter then presented the monument to the United States Government and Gen. G. M. Dodge, representing the Secretary of War, accepted the memorial for the government. Governor J. K. Vardaman, of Mississippi, and Col. Charles A. Clark, also delivered addresses. Misses Grace Kendrick Rigby and Elnora Stanton unveiled the memorial. The exercises concluded with the reading of a poem, "Vicksburg," by Major S. H. M. Byers, written especially for the occasion.

The memorial will not be completed until next year but the dedication exercises were held earlier in order that many veterans now on the slope of life, who might not be able to attend next year, could be present if they so desired. The following Iowa troops were engaged in the fighting around Vicksburg: 3rd, 4th, 5th, 6th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 19th, 20th, 21st, 22d, 23d, 24th, 25th, 26th, 27th, 28th, 30th, 31st, 34th, 35th, 38th, 40th infantry; 3d, and 4th cavalry and 1st and 2d artillery.

The Iowa commission which selected the design for the memorial was composed of Capt. J. F. Merry, L. C. Blanchard, J. A. Fitzpatrick, Elmer

J. C. Bosler, David A. Haggard, W. O. Mitchell, W. H. C. Jacques, Henry H. Rood and J. H. Dean. Investigation was begun by the commission as soon as it was organized for the purpose of selecting a design for the memorial. Efforts were made to have Iowa represented in the park by something different from the other memorials. Visits were made by the members of the commission to various monuments in Washington, Richmond and the National Military parks at Chickamauga and Gettysburg.

The state memorial occasioned the commission no little anxiety and many days of hard work. They visited prominent studios in New York and Boston and finally agreed upon the form of a peristyle with bas reliefs showing six battle scenes: Grand Gulf, Port Gibson, Jackson, Champion Hill, Black River Bridge and the Charge of May 22, 1863. The state memorial and the brigade and monuments to Iowa regiments will be paid for out of an appropriation of \$150,000.00 by the Iowa legislature.

The National Military Park at Vicksburg was provided for by an act of Congress during the session of 1898-1899 and the bill was signed by President McKinley February 21, 1899. The land necessary for the park, 1,246.99 acres, was purchased by a commission named by the Secretary of War, of which General Stephen D. Lee was Chairman, at a cost of \$52,669.98. The park was laid out with a little more than 22 miles of roadways.

Such parts of the public roads leading from Vicksburg as lie in or alongside the boundaries

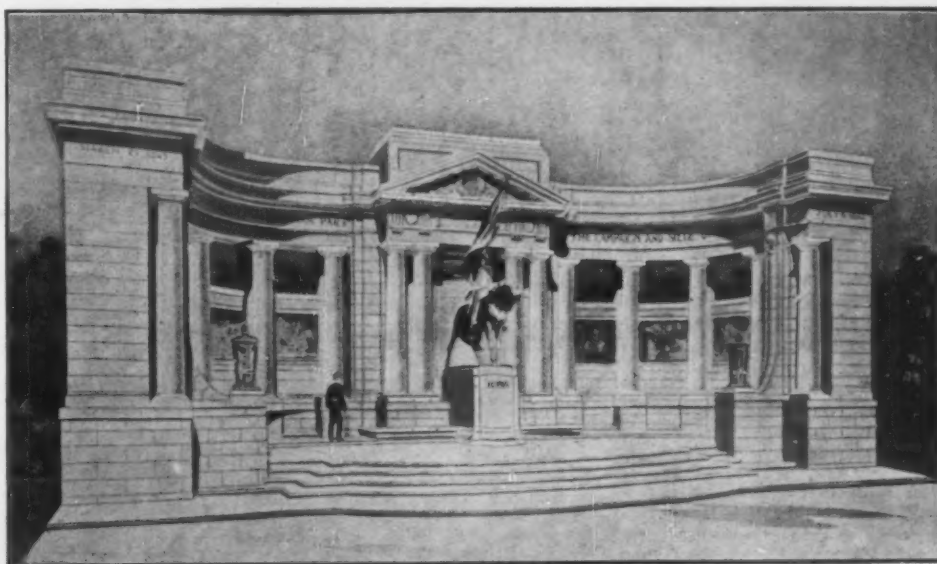
of the park have been ceded to the United States (so far as jurisdiction is concerned) as park roadways, and will be graded and metaled the same as park avenues. These parts of public roads aggregate 3.09 miles, making a total of 25.61 miles of park avenues and roadways.

Confederate, Union and Grant avenues are graded and all the bridges built—three on Confederate and twelve on Union avenue. The skill displayed by the park engineer in the laying out and construction of these avenues is greatly admired and highly commended—especially in the case of Union avenue. They are excellent earth roadways, and now afford every facility for seeing and studying the greater part of the battlefield.

The other park avenues and roadways are being graded by the commission's force of laborers, under the direction of the engineer and foreman, and good progress has been made in this work. All avenues and roadways will be metaled with a fine concreting gravel.

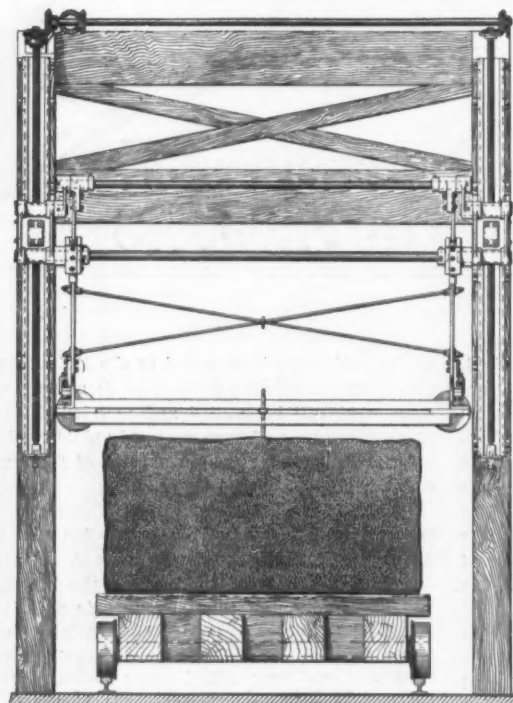
State appropriations for monuments in the Vicksburg park have been made as follows: Illinois, \$260,000.00; Iowa, \$150,000.00; Ohio, \$56,000.00; Wisconsin, \$30,000.00; Pennsylvania, \$15,000.00; New York, \$12,500.00; Massachusetts, \$5,000.00; New Hampshire, \$5,000.00; Minnesota, \$25,000.00; Mississippi, \$50,000.00. Total, \$608,500.00.

The United States government has appropriated about the same amount as the states, making a total of over one million dollars already expended on the Vicksburg park. When all the states represented by both the Blue and the Gray in the campaign and siege of Vicksburg shall have their monuments in place and the government shall have finished its work on the park, it will represent an expenditure of over two million dollars.



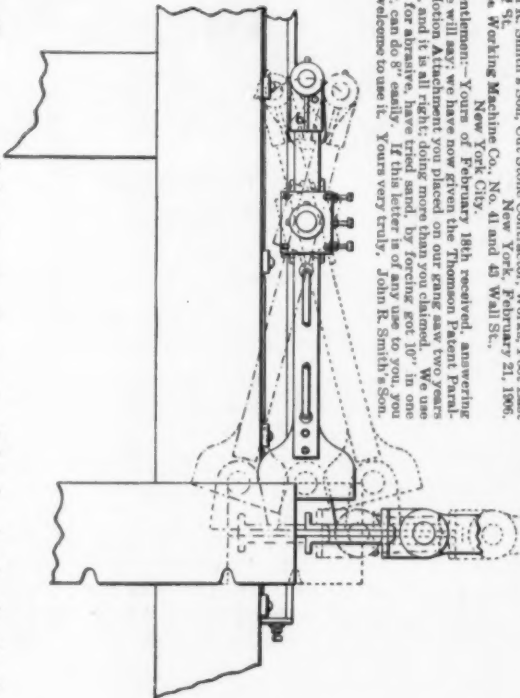
IOWA MEMORIAL IN VICKSBURG NATIONAL MILITARY PARK.

The Thomson Patent Parallel-Motion GANG and RIPSAW



These saws can be seen
in operation at any of
the following stone
yards:

CARR & BALL, Harrison, N. J.
J. J. SPURR & SON, Harrison, N. J.
DURRIE & DAVIDSON,
Harrison, N. J.
A. J. HOERNER & SONS,
Newark, N. J.
B. A. & G. N. WILLIAMS,
Washington, D. C.
BARR, THAW & FRASER,
Hoboken, N. J.
DAVID G. MORRISON,
L. I. City, N. Y.
JOHN R. SMITH'S SONS,
Ft. E, 103 7th St., New York City.
JAMES MUIR, Springfield, Mass.
KIRKPATRICK BROS.,
Philadelphia, Pa.
BUCK & GALLAGHER,
Philadelphia, Pa.
SOUTH SIDE STONE CO.,
Bloomington, Ind.
CONN. STEAM BROWNSTONE
CO., Portland, Conn.
EVERGREEN STEAM STONE
WORKS, Evergreen, N. Y.
J. H. HUTCHINSON,
St. Henri, Canada.
SEATTLE CUT STONE CON-
TRACTING CO., Seattle, Wash.



John R. Smith's Son, Cut Stone Contractor, Works, Foot East
103rd St.
Stone Working Machine Co., No. 41 and 43 Wall St.
New York, February 21, 1906.
Gentlemen:—Yours of February 15th received, answering
same will say; we have now given the Thomson Patent Par-
allel Motion Attachment you placed on our gang saw two years
trial, and it is all right; doing more than you claimed. We use
about for abrasive, have tried sand, by forcing out 10' in one
hour, can do 8' easily. If this letter is of any use to you, you
are welcome to use it. Yours very truly, John R. Smith's Son.

The Stone Working Machine Co.,
41 and 43 Wall Street,
New York City.

Gentlemen:—In reply to yours of
recent date, would say; that we
had such confidence in the Thom-
son attachment for stone saws that
we put in the first two manufac-
tured. We have had them in op-
eration now nearly five years, and are
pleased to say our judgment has
been more than justified. We are
confident there is nothing in the
market equal to them. The cost for
repairs has been practically noth-
ing, and they continue to give every
satisfaction. You may use this
letter if it will help you in your
sales. Yours very truly,
CARR & BALL,
111-121 Passaic Ave.
Harrison, N. J., Feb. 20, 1906.

WORKS:

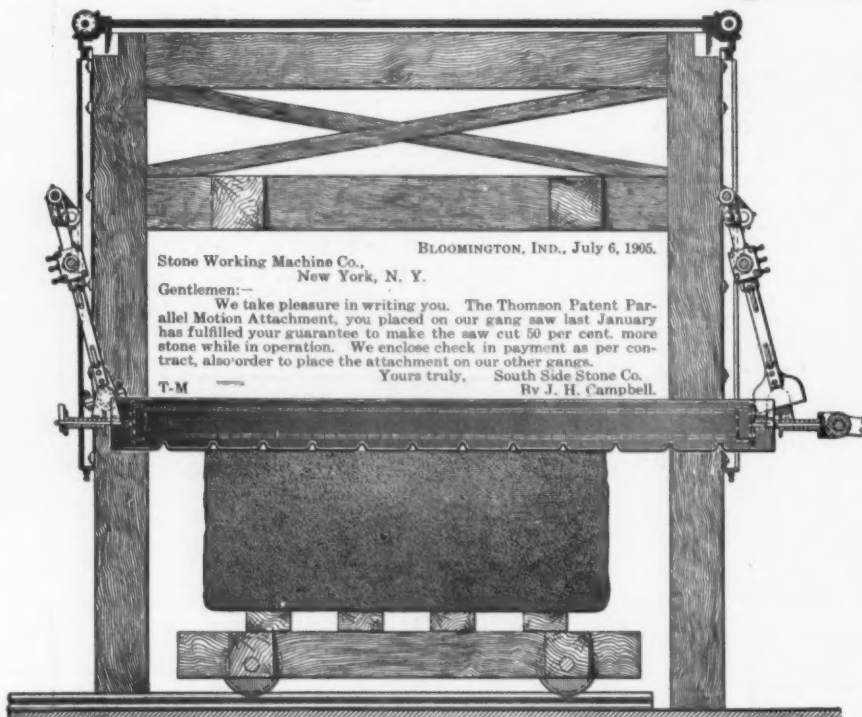
Ave. A and 68th St., N. Y. City.
Mill and Orchard Sts.,
Astoria, L. I.
South Capitol and I Sts.,
Washington, D. C.
Ball Ground, Georgia.
New York, April 19, 1906.
Mr. W. F. RANNEY,
General Manager, Stone Working
Machine Co.
New York City.

Dear Sir:—In reply to the letter
of inquiry you sent us with refer-
ence to the gang of saws furnished
us at our yard at South Capitol and
I Streets, Washington, D. C. will
say, this gang is working very sat-
isfactorily and is cutting about 60
per cent more than our other gangs
under similar conditions in South
Dover Marble. Up to the present
time we have had very few repairs
and we think very well of your Ma-
chine. Yours very truly,
B. A. & G. N. WILLIAMS,
5 and 7 E. 42nd St., N. Y.
B. A. Williams, Pres.

Kirkpatrick Bros.
23d St. and Washington Ave.
Philadelphia, February 2, 1906.
Stone Working Machine Co.,
41 and 43 Wall Street,
New York City.

Gentlemen:—Yours of 1st inst.
received. In answer would state
that we have had a complete new
saw of yours in use for two years.
It has been working very satisfac-
torily. We can saw more than twice
what we could with the former
gang saws, and require but little
more power. Yours truly,
KIRKPATRICK BROS.

Stone Working Machine Company



Stone Working Machine Co.,
New York, N. Y.

Gentlemen:—
We take pleasure in writing you. The Thomson Patent Par-
allel Motion Attachment, you placed on our gang saw last January
has fulfilled your guarantee to make the saw cut 50 per cent. more
stone while in operation. We enclose check in payment as per con-
tract, also order to place the attachment on our other gangs.
Yours truly, South Side Stone Co.
T-M By J. H. Campbell.

BLOOMINGTON, IND., July 6, 1905.

SOLE OWNER OF ALL PATENTS AND MANUFACTURING RIGHTS

W. F. RANNEY, Manager,

43 WALL ST., AND 43 EXCHANGE PL.,

New York City.

J. J. SPURR & SONS,
Harrison, N. J. February 20, 1906
Stone Working Machine Co.,
41 and 43 Wall Street,
New York City.

Gentlemen:—Replying to yours
of February 15th, regarding Thom-
son Patent Parallel Motion Attach-
ment will say; we have been using
the two placed on our saws for the
past three years, and during that
time they have received hard usage.
Have had to make some repairs
this winter, but we are perfectly
satisfied and highly recommend
them. Yours truly,
JOSEPH J. SPURR & SONS.

JAMES MUIR,
Steam Stone Works,
Bay Street Avenue,
Springfield, Mass.
Springfield, Mass., Mar. 28, 1906.
Stone Working Machine Co.,
41 and 43 Wall Street,
New York City.

Gentlemen:—Replying to yours
of recent date, I am pleased to write
the Thomson Patent Parallel Mo-
tion Stone saws you installed for
me in August 1904, has proven it-
self satisfactory in every way.
Sawing more than double we ever
sawed in every kind of stone, and
I do not see that it requires any
more power.

You ask particularly for report
as to granite, I am doing a granite
job now. Have visited a number
of plants where granite is being
sawed and I must say I am sawing
more and doing better work than
any mill that is sawing granite that
I know of.

You are at liberty to bring or
send any one to see this saw when
I believe all the above statements
will be proven to their entire satis-
faction. Yours truly,
JAMES MUIR.

BUCK & GALLAGHER,
Cut Stone Contractor,
N. W. Cor. 9th and Wolf Streets,
Philadelphia, Pa. Feb. 24, 1906.
Mr. W. F. Ranney, Pres't.
Stone Working Machine Co.,
Nos. 41 and 43 Wall Street,
New York City.

Dear Sir:—Replying to yours ask-
ing if we can recommend the Thom-
son Attachment for stone gang
saws, will say; ours is giving entire
satisfaction; running smoothly and
doing excellent sawing—we believe
doubly what old saw did. Can't
see but what our engine runs it as
well as it did before change. We
are sawing in limestone with four
or five blades for 1ft. 8in. to 2ft. 8
in. per hour, (using hot or crushed
steel of course). Will show saw to
any one who wishes to examine it.
Yours truly,
BUCK & GALLAGHER.

Tell 'em you saw it in ROCK PRODUCTS.

THE TEMPLE-INGERSOLL

"ELECTRIC-AIR" ROCK DRILL

The Electric-Air Drill combines electrical economy with air drill endurance and capacity. It is **not** merely an air drill driven by an electrical compressor, but a complete device—pulsator, hose lines and drill—making a closed circuit in which the same air is repeatedly compressed and expanded, utilizing its full expansive power and eliminating all compression losses. This explains the fact that 5 H. P. at the pulsator gives the Electric-Air Drill the capacity of a 3½-inch standard rock drill.

All rock drill operating features are retained—variable stroke, perfect air cushions, good mudding quality, great pulling-out power, high or low speed without sacrifice of power. It is the only successful method of rock-drilling by electric power.

Channelers Hammer Drills

INGERSOLL-RAND CO.

11 Broadway, NEW YORK.

Chicago
Cleveland
BirminghamPhiladelphia
Houghton, Mich.
San FranciscoSt. Louis
Pittsburg
Salt LakeEl Paso
Boston
Seattle

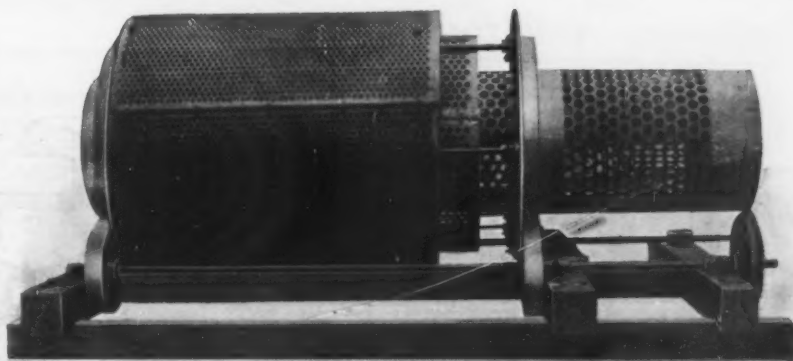
The O'Laughlin Revolving Screen

For Granite, Stone, Sand, Gravel, Coal, Coke or anything requiring separation.

THE principle of separating is exactly opposite that of the older style revolving screen, the materials being discharged on coarse perforations first. The coarse material is immediately separated from the finer in each of the concentric screens to the different required sizes.

The type of screen here illustrated is in use at a No. 8 Crushing plant for limestone (which was formerly equipped with three of the older style screens and required an outlay of \$350.00 for each 100,000 cu. yds. of stone separated. Up to the present time it has made perfect separation into five sizes of 300,000 cu. yds. with a recent outlay of \$27.00 for renewing the portion of the screen that the stone has been discharged on, and should do as much more without any additional outlay.

The inside or longest screen is 8 feet long and 36 inches in diameter, the next concentric screen is 7 feet 6 inches long and 48 inches in diameter, the next screen is 7 feet long and 58 inches in diameter, the next is 6 feet 6 inches long and 66 inches in diameter. With the exception of the inner screen each section is adjustable and the screen is complete without it. The figures given above give 492 sq. ft. of



screen surface which is equal to 3 screens of the old pattern, 14 feet long and 36 inches in diameter.

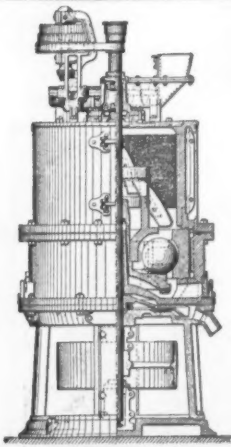
We claim it requires but one-fifth the power to operate our screen than the old style and yet it does the same amount of work. This is proven first, by the length of screen; second, by the size of driving pinion in comparison with gear; third, by the size of trunnions in comparison to the tread of screen. The material to be sep-

arated and weight of screen rests above the bearing points. While in the old style screen it is below the center of bearing points. The material being immediately separated by dropping into each of the concentric screens reducing the wear on screens to the minimum.

Let us know your requirements, what materials you wish separated, the amount daily and the different sizes, and we will furnish an estimate as to cost, power required, etc.

JOHN O'LAUGHLIN, - - - RACINE, WIS.

Tell 'em you saw it in ROCK PRODUCTS



Fuller-Lehigh Pulverizer Mill

The Best Pulverizing Mill Manufactured

Exhaustive tests in all departments, in competition with the most approved grinding machines in use, have demonstrated the superiority of our machine

OUR CLAIMS:

Greater Output

Better Fineness

Fewer Repairs

Dustless

Few extracts from letters received from users:

"I think you have an ideal mill and one which I believe will be recognized as the most economical and satisfactory machine on the market."

"We feel that after these mills are all installed, our Raw grinding end will be in excellent shape."

"This is certainly a very cheap grinding and I congratulate you on your being able to produce a mill that is equal to these figures."

If interested, write us for further information

LEHIGH CAR, WHEEL & AXLE WORKS, CATASAUQUA, PA. U. S. A.



"MONARCH WIRE ROPE"

The Most Desirable Rope made for
Quarry and Contract Work. & &

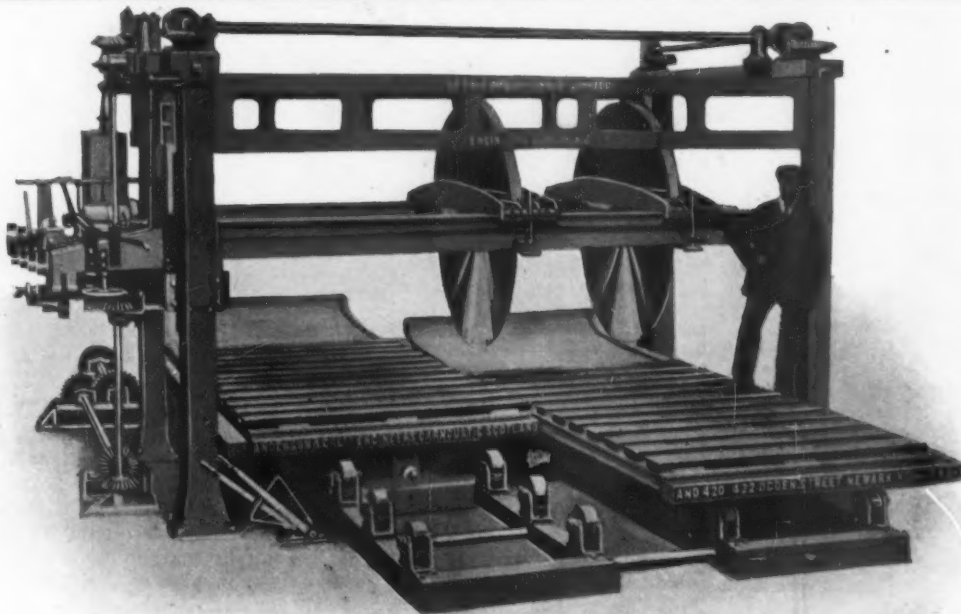
It is not the color of the Strand that makes Monarch Rope so superior, but the material it is made out of. The Whyte strand merely ensures your getting the right rope.

MACOMBER & WHYTE ROPE CO.,

19 and 21 S. Canal St., CHICAGO. 259 Atlantic Ave., BOSTON, MASS. 126 Center St., NEW YORK

George Anderson & Co., (1905) Ltd.

Engineers and Ironfounders, NEWARK, N. J.



Rising and Falling
Diamond Saw,
having Two Saws
and Two Tables,
100 inches
Diameter.

The above is an illustration of our latest pattern Diamond Saw designed to meet the requirements of Stone Workers having a lot of checking to do. It also enables blocks of double the height to be dealt with. The whole of the movements are automatic, thus no time is lost in adjusting the blades. This is the largest Diamond Saw in the world.

Tell 'em you saw it in ROCK PRODUCTS.

NILES CRANES



One of the two 20-ton Niles Cranes, 75 ft. span, installed in yards of Milford Stone Co., Milford, Mass.

— Built by —

NILES-BEMENT-POND CO.

111 Broadway, NEW YORK.

Philadelphia, Boston, Chicago, Pittsburg, St. Louis, London.



CRANES ELECTRIC AND HAND POWER HOISTS

All Types and Sizes of Electric and Hand Power Cranes and Hoists.



For stone yards or stone mills, out door or inside service.

AC OR DC MOTORS

THE CASE MFG. CO., Columbus, Ohio.

NEW YORK:
McCALVE, RIMMER & CO.
85 Liberty St.

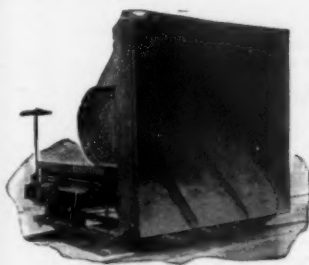
PITTSBURG:
A. W. WYCKOFF CO.
Farmers Bank Bldg.

CLEVELAND:
C. E. STAMP & CO.
New England Bldg.

CHICAGO:
F. S. HICKOK,
Marquette Bldg.

SAN FRANCISCO:
LILLEY & THURSTON,
702 Atlas Building.

INDUSTRIAL CARS AND TRACK



No. 160 Body Dump Car.

For Quarries, Mines,
Cement Plants, Etc.

Switches, Turntables, Light
Steel Rails.

SEND FOR CATALOGUE NO. 8.

WONHAM-MAGOR ENGINEERING WORKS,
NEW YORK Office: Dept. P, 29 Broadway. Works: Passaic, N. J.
BOSTON Office: Dept. P, 141 Milk Street.

STAR EXPLODERS

ARE MOST SENSITIVE, they require less current.
DETONATION IS GREATER because they are much stronger.

STAR EXPLODERS

are the result of 20 years experience in exploder manufacturing. They are not an experiment but an established success. They are technically and practically perfect.

THEY COST NO MORE THAN INFERIOR MAKES

STAR ELECTRIC FUSE WORKS,
WILKES-BARRE, PA. U. S. A.



PORTABLE TRACK and CARS

For all Kinds and Conditions of Industrial Service.

IMMEDIATE DELIVERY

We carry at our warehouse the largest stock of Rails, Steel Ties, Portable Track, Switches, Frogs, Crossings, Turntables, Steel and Wooden Flat and Dump Cars of every description.

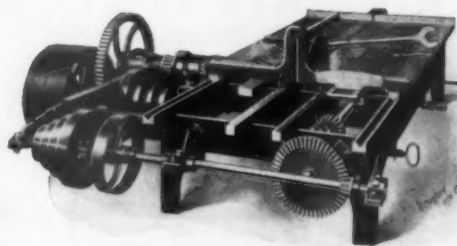
WRITE DEPT. R FOR CATALOGUE NO. 37.

ARTHUR
KOPPEL
COMPANY

66-68 Broad St., NEW YORK
618 Menadnock Bldg., CHICAGO

RUGGLES MACHINE CO., Poultney, Vt.

ESTABLISHED 1820.



Pioneer builders of SOFTSTONE WORKING MACHINERY
Such as Slate, Soap and Sand Stone.



Henricks Magneto

Fills Your Gas or Gasoline Engines without the Aid of Batteries

It is better and more durable than any Dynamo. Its governor regulates the speed regardless of speed of fly wheel. Its governor adjusts to imperfect fly wheels. Its governor insures a constant and uniform spark. The spark does not burn the contacts of the engine. All strains are removed from the bearings of Magneto.

Fully Guaranteed. Henricks Novelty Company.

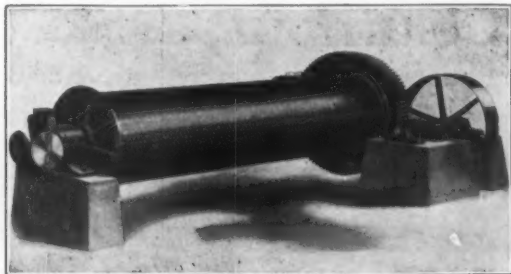
Agents Wanted. 130 S. Capital Ave., Indianapolis, Ind.

Stacks! Tanks! Kilns!
AURORA BOILER WORKS
AURORA, ILLS.
Steel Plate Work.

POWER AND MINING MACHINERY COMPANY

Designers and Builders of Cement - Making Machinery

of all kinds, for either wet or dry process



Many of the most eminently successful plants in operation to-day were designed by our engineers.

**Rock Breakers, Crushers, Dryers,
Kilns, Ball Mills, Ball-Tube Mills, etc.**

Write for specifications and prices.

Sales Offices

Atlanta.
Boston.
Chicago.
Columbus.

Works
and General Office
Cudahy, Wis.
South of Milwaukee

Sales Offices

Denver.
El Paso.
New York City.
Salt Lake City.

Barre Pneumatic Tools

FOR GRANITE, MARBLE AND STONE



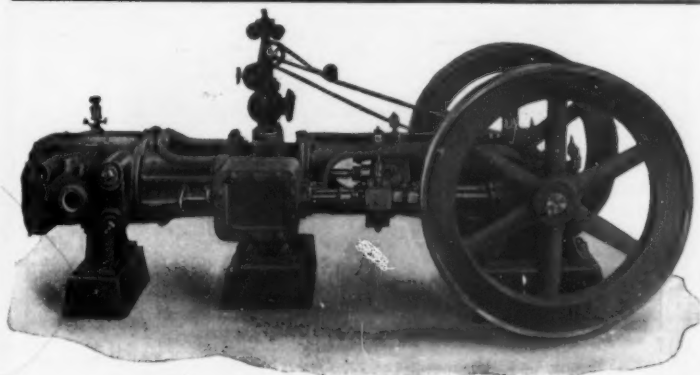
Made in four sizes to meet all requirements for carving, lettering, tracing and finishing any kind of stone. Your plant is not up-to-date without them.

MANUFACTURED BY

TROW & HOLDEN
BARRE, VT.

Tell 'em you saw it in ROCK PRODUCTS.

A GOOD MECHANIC KNOWS WHY



OUR FORK-FRAME STRAIGHT-LINE Air Compressors

Last longer and run smoother than others. Also why the removal of the bearings from the neighborhood of the steam cylinders improves their running qualities.

Air Compressors—Steam driven, Belt driven and direct connection. Electric Motors for every conceivable service.

Full particulars are given in pamphlet. Send for it.

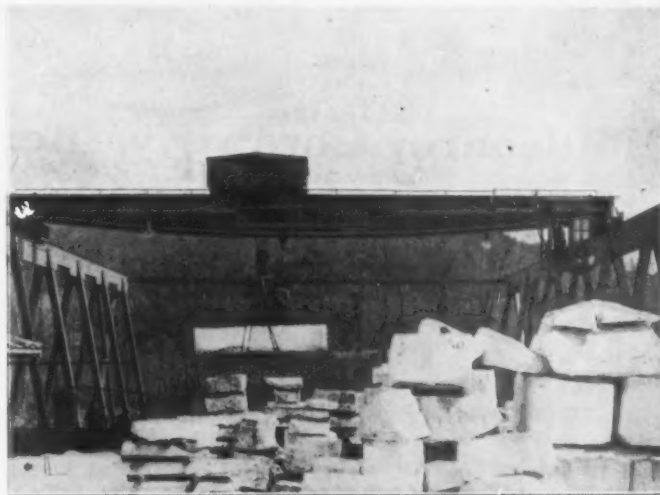
Clayton Air Compressor Works

114-118 Liberty St., NEW YORK

The Shaw Electric Crane Co.

Manufacturers of

The Shaw Electric Traveling Crane



5-foot Span, 25-ton Crane with a 5-ton auxiliary hoist, in the yard of the South Dover Marble Co.

Awarded Grand Prize at World's Fair, St. Louis, 1904.

THE SHAW WRECKING CRANE

MANNING, MAXWELL & MOORE, INC. Sole Agents,
85, 87, 89 Liberty Street, New York.

22-26 S. Canal St., Chicago;
721 Arch St., Philadelphia;
128 Oliver St., Boston;
Park Building, Pittsburg;
Tokio, Japan.

Williamson Building, Cleveland;
Kirk Building, Syracuse;
Woodward Building, Birmingham, Ala.;
Frisco Building, St. Louis;

FOR USE



in a quarry, a PULSOMETER is the most effective and economical pumping apparatus made. It will operate equally well suspended from a boom, tripod or derrick as when placed on a firm foundation. It may be readily raised, lowered or transported from the vicinity of blasting operations.

A PULSOMETER STEAM PUMP

has no outside moving parts; no internal mechanism; no valves liable to become choked or clogged; no rods to score, no packing to cut; no parts requiring oil or lubricants; it will readily handle the grittiest, muddiest of waters day in and out without further attention than the provision of steam to operate it.

SIMPLE TO INSTALL.

Free Catalogue Telling All About Them.

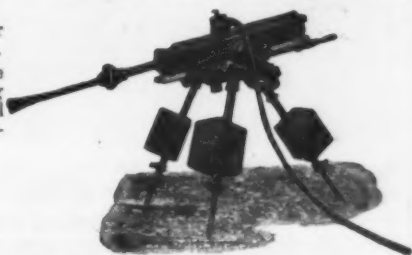
SIMPLE TO OPERATE.

THE PULSOMETER STEAM PUMP CO., 12 BATTERY PLACE, NEW YORK.

Marvin Electric Drill

Simplest machines ever built for drilling rock. They have been in use 2100 days, averaging 15 hours per day and still giving entire satisfaction.

No electric motor.
No cams.
No machine shop.
Send for Catalog No. 4.



Marvin Electric Drill Company,
BINGHAMTON, N. Y.

"THE OLIVER"

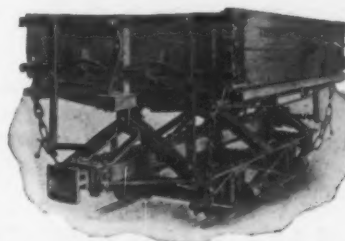
1 1/2 yard, 2 yard,
4 yard and 6 yard

DUMP CARS

Cars for all Purposes.

One and Two Way Side Dump
and Rotary Dump Cars.

PATENTED RELEASING DOOR MECHANISM
AUTOMATIC COUPLERS, AIR BRAKES
Heavy Castings and Machine Work.



WM. J OLIVER MFG. CO., KNOXVILLE, TENNESSEE

Tell 'em you saw it in ROCK PRODUCTS.

Rock Drill **HOSE** and Couplings

"KANT KUT" Leather Soled RUBBER BOOTS.



Mulconroy Company, Inc.

MANUFACTURERS OF
CONTRACTORS', ENGINEERS' AND
QUARRYMEN'S RUBBER GOODS

722 Arch Street,

PHILADELPHIA

R. J. TEASDALE

48 Willard St., QUINCY, MASS.

POLISHING SUPPLIES.

BLASTING SUPPLIES.

—AGENT—

AMERICAN POWDER MILLS, Boston, Mass.

THE CARBORUNDUM CO., Niagara Falls, N. Y.

Carborundum Grain and Bricks, Scotch Steel, Putty Powder, Plaster, Etc.

Powder, Dynamite, Fuses, Steam Drills and Hose, Batteries, Etc.



Handling Materials About the Plant

This is a Yale & Towne **Triplex** Block on a flat rail trolley bringing cement rock from the yard to the mill. It has worked alternately outside and inside for three years and shows no wear.

Note how readily one man handles the load. The block holds it automatically. Just as good for logs, blocks of stone, etc.

If you need a hoisting system for your plant—or part of it—write us. We can help you.

The Yale & Towne Mfg. Company

9 Murray Street, NEW YORK.

CHANNELING MACHINES



Class 6½ Sullivan "Double Head" Channeler in Kennesaw Quarry of the Georgia Marble Co., Tate, Georgia.

Mine and Quarry

for November contains an interesting article about the Georgia Marble Industry, and describes this latest development in quarrying machinery. Your copy is ready.

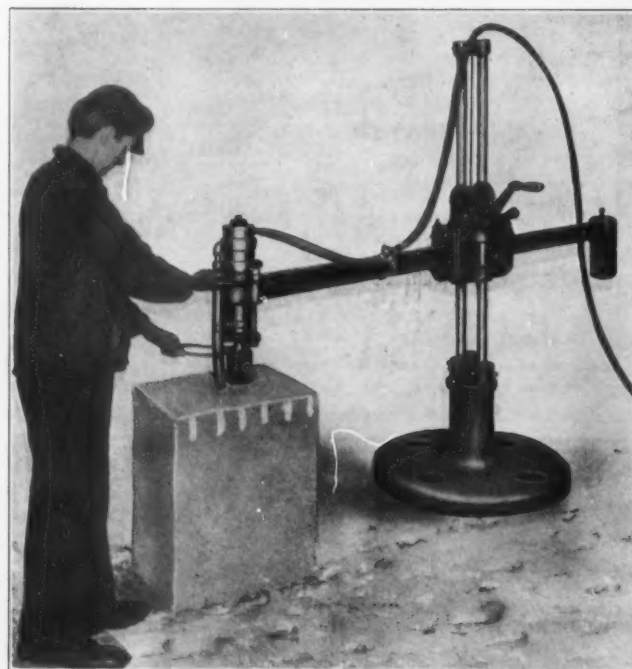
SULLIVAN MACHINERY CO.

Chicago
Claremont, N. H.

New York
Pittsburg

Knoxville
St. Louis

Denver
El Paso



The "Kotten" Junior Surfacers

Embodies Simplicity, Durability, Efficiency, Economy.

We also manufacture Crane Surfacers, Plug Drills, Baby Rock Drillers, Valve and Valveless Type Carving Tools.

Send for full particulars to

H. G. KOTTEN, Co., 120 Liberty St., NEW YORK CITY

Foster & Hosler, Chicago, Ill. Central States Agents.
Berger-Carter Co., San Francisco, Cal., Pacific States Agents.

Call 'em you saw it in ROCK PRODUCTS



Entered as second-class matter December 16, 1905, at the Post Office at Louisville, Ky., under Act of Congress of March 3, 1879.

THE FRANCIS PUBLISHING COMPANY,
Publishers.

E. H. DEFEBAGUH.....President.

A semi-monthly trade journal devoted to the interests of the manufacturers and dealers in rock products and kindred lines, including Lime, Cement, Salt, Sand, Slate, Granite, Marble, Sandstone, Grindstones, Artificial Stone, Emery Stone, Quarries, Monuments, Manganese, Asphalt, Phosphates, Plaster, Terra Cotta, Roofing and Roofing Tile, Coal, Oil, Mineral Wool, Brick, etc.

EDITORS.

E. H. DEFEBAGUH.....FRED K. IRVINE.

ASSOCIATE EDITORS.

HENRY C. WHITAKER.....Barre, Vt.
ALEX. CRISTADORO.....New York.

Regular Staff Correspondents in the Principal Centers.

The mission of ROCK PRODUCTS is to serve the trade in any and every honorable way possible, to promote better profits and make life more pleasant for those engaged in the business to which it caters. With this end in view, criticism is courted, and all are invited to use its columns to further ideas and suggestions for the good of the trade. The office, too, is at the service of the constituents of this paper; so when you want to buy or sell, or merely ask a question, write, and when you are in town, call and make it your headquarters.

"TELL 'EM YOU SAW IT IN ROCK PRODUCTS."

No contracts will be accepted with advertising agencies, as our system for promoting the interests of patrons requires direct co-operation.

Matter for publication to insure insertion in any given number must reach this office at least ten days preceding the date of the paper. This measure is made necessary by the rapid growth of circulation, taking more time in the printing department.

SUBSCRIPTION RATES, \$2.00 per annum, postpaid anywhere in the United States, Canada or Mexico; \$3.00 elsewhere in the Postal Union. Single copies, 10 cents.

ADVERTISING RATES will be furnished on application.

ADDRESS ALL COMMUNICATIONS TO

THE FRANCIS PUBLISHING COMPANY,
Main Street, Cor. Bullitt, LOUISVILLE, KENTUCKY.

BRANCHES:

NEW YORK OFFICE—Room 431, 136 Liberty Street.

CHICAGO OFFICE—Room 1312, Tribune Building.

NEW ENGLAND OFFICE—16 Merchant St., Barre, Vt.

LOUISVILLE, KY., DEC. 5, 1906.

Faulty Practice in Contracting.

In modern building practice it frequently happens that the various sub-contractors are held up for their money, and pay out in interest to their banker a sum of money which amounts to almost as much as their entire profit on the work. The general contractor is not prepared to settle with the sub-contractor until he arrives at specified periods in the progress of the work, and then he only collects a specified percentage of the amount due, which is divided among the sub-contractors, and until the work is completed in all its parts, none of the contractors are released with full payment of their particular fractions of the building.

The excavation and foundation contractors, the cut stone and steel men suffer more from this evil than any others, for the reason that it is not infrequent that a whole year elapses between the time that the foundations are completed until the building is accepted as a finished proposition.

The general contractor, in some instances, secures a unique position for himself without capital or responsibility to secure a liberal percentage of the profit upon the combined efforts of his organization of sub-contractors. Thus, the general contractor comes to an agreement with the builder and the contract in all its detail is drawn up. This agreement becomes the basis of credit for the general contractor in securing his bond which he gives to the builder, then he proceeds to

sub-let every part of the work to responsible sub-contractors who, having no one else between them and the actual work, carry the load of interest in a large measure until the last sub-contractor who is doing business with the general contractor, has completed his part of the work, although it may be many months since the activities of some establishments were engaged upon the job.

The general contractor, on the other hand, is often up against a contentious builder who refuses to let go of the money until the minutest and most trivial details are gone over and fixed up, again and again, even though possession has been had of the building and applied to the uses for which it was designed. The various contractors are called and re-called for one triviality after another, and final payment is deferred as long as an hour's occupation can be found for a single workman, and the amount withheld in such cases is usually one-fourth, or even one-third of the very large amount involved in the whole operation.

The injustice of this procedure to the general contractor is at once apparent, and it becomes doubly so to the sub-contractors. When a building is ready for occupancy, it is finished to all intents and purposes, and while it might not be unfair to hold a trivial amount sufficient to cover the limit of possibility which a quibbling builder may be inclined to extort, the contract price really becomes due when he accepts the keys and final settlement should be had at that time.

Railroad Management Incompetent.

It would be impossible to find a more wholesome exhibit for the benefit of those who hold the railroad magnates of this country in awe, considering them to be the great captains of industry with matchless natural gifts and wonderfully cultivated capacity, than the present choking of traffic, owing to the incompetency of railroad management. They have been allowed without interruption to help themselves to all the capital that they are capable of manipulating, even to capitalizing future prospects for a century to come, with scarcely a word of criticism to check their ideas of "progress," and yet the lack of transportation facilities has actually damaged every industry in the country to the extent of twenty-five per cent of the volume of business that could have been completed. With the concession granted to the railroads by public consent, the commercial interests have a right to expect a high quality of ability and preparedness within the railroad management to guarantee prompt delivery.

The stone industry in every section of the country has suffered severely from this cause, and if the health and natural growth of the country continues as we have a right to expect, there is no telling to what enormous figures the actual damage will grow.

Prosperity Is Not Abnormal.

With the record of a prosperous year behind us, there are sinister prophets who predict in the near future a blighting reaction and a severe falling off in business. The squawking crow that can see bad weather ahead when the sun is shining brightly, goes all unnoticed in the summer time, and his squawk only becomes a prediction when there is going to be a rain or a storm as a natural condition of the season. After all is said about abnormal prosperity, and the statistics are all in and counted, it will be found that the commercial and industrial activities of 1906 do not constitute the

record of anything abnormal but only a good business year such as ought to be recorded with each succeeding calendar year, and in a country like ours where the population is growing by leaps and bounds and where in less than half a century a lonesome wilderness has been and is being filled with populous and magnificent cities, the building trades indeed have only just reached the proper normal and should continue to grow in the years to come into greater and larger things as the population of the cities increases and the natural resources are further developed. Much of this "abnormal prosperity" talk comes from the squawkers who are not remarkable for anything they have accomplished and who subsist like the crow upon the carcass of dead issues.

Prosperity for Monument Dealers.

The big monumental manufacturing centers have felt the weight of the general prosperity of the country to a tremendous extent this year. In the first place, the volume of business called for every available workman, while the building activities in all of the great cities attracted the men away from the monumental shop, so that almost every manufacturer was forced to run his plant shorthanded with less than the normal amount of help. Still by superior organization and concentrated effort they have managed to turn out such a volume of business that the railroads have been unable to make deliveries.

Every manufacturing plant in Vermont is up against the car shortage proposition in its acutest form, for there are piles of work ready to be shipped and customers at the other end with the money in their hand, awaiting to return the profit. Because the monumental business as a whole is considered as a luxury by the railroad authorities, this trade is not served as promptly as some others upon which the food and clothing supply of the country depends, and yet the prosperity of whole sections of the country is just as dependent upon the monumental business as any other, for it is both meat, drink and clothing to the quarrymen, the manufacturer and all of their employees.

Our correspondence with retailers indicates that collections this year have been prompt and satisfactory, generally speaking. Their greatest trouble has been the delay of shipments owing to car shortage and a scarcity of good letterers, as well as experienced workmen to set up the jobs in the cemeteries.

Born the marble and granite quarries of the Southland are being operated just as steadily today as in the merry month of June. Jack Frost cuts no figure with the quarrymen of the south, and this is one of the advantages they have in increasing their output. When both quarry and mill can be run at full blast twelve months in the year, it makes a difference in the grand total of results.

The cut stone contractor has had a very gratifying season. There is not a concern that makes a practice of contracting in limestone or marble or granite who has not had a comfortable volume of work. Every machine has been run to the limit of capacity, and every workman who has been around a stone plant has found no difficulty in securing steady employment. There have been no serious strike troubles, and out of all this harmony there must certainly be a good comfortable profit for everyone concerned.

Editorial Chat

George H. Perkins, Ph. D., State Geologist of Vermont, has completed his report for 1905-06, in which he gives a full resume of the mineral industries and geology of the Vermont monumental sections. The report shows in round numbers that in 1905 the State of Vermont produced granite and marble to the amount of \$7,000,000.00, while the rapid growth of the industry, as indicated by the comparison of the reduction of 1903, when it was less than \$5,000,000.00 would seem to indicate that when the returns are all counted upon the year 1906 that the enormous figure of \$8,500,000.00 will be necessary to express granite and marble quarried and manufactured into monumental or building stone.

Our dear old Scottish friend, Mr. Charles W. McMillan, of the firm of C. W. McMillan & Son, Barre, Vt., one of the oldest and best known of the Barre manufacturers, is taking a little business trip through the West. He spent a few days in New York, in Washington and in Cincinnati; he spent a day in Louisville and was the guest of Rock Products. He intends to visit St. Louis and Chicago before he returns home. Mr. McMillan is one of the veterans of the granite business and finds that wherever he goes he is well remembered and the reputation he has so carefully woven about his name goes with him even into strange and distant cities.

W. A. Treat, who lives in the Fisher building, Chicago, sometimes, but who is most of the time selling Armored Hose made by the Sprague Electric Co., to the quarrymen of the Middle West, came through Louisville recently. He said he was looking for a game of golf, but the car he took was not going in the direction of the links, and besides the only caddy that he had with him was a little section of armored hose about the size of a roman candle. If he didn't sell a few feet at the quarry located at the end of the line, it was because he had filled them up on his former trip.

Just as we go to press, a wedding is being solemnized at Barre, Vt., in which both the contracting parties have the cordial good wishes of the monumental industry, as well as the quarry interests of the country. Miss Mary Barclay, daughter of Mayor William Barclay, of Barre, is to be given in marriage on Thursday, December 6, to Mr. George H. Gilman, of Claremont, N. H., who is well known to the quarrymen and monument manufacturers as the representative of the Chicago Pneumatic Tool Co.

If the big operators of building stone quarries could only be brought to realize the full value of a well defined campaign of publicity, the terra cotta crowd and the enameled brick men would be lost in the shuffle. The difference is this, the manufacturers of structural terra cotta or enameled brick or almost any other substitute for stone are wide awake and never overlook a bet to boost their product in every conceivable way. Every time there is a building put up with a terra cotta front, pictures are made in a dozen different sizes and the publication of them secured, no matter what the cost may be, and every time they are published, a comparison is made of the same class of work when done in some of the popular classifications of stone, and in every instance it is made to appear that the terra cotta front is much cheaper and "just as good as the real natural stone." Now we have been hammering at this very point for years, and met with some co-operation on the part of the operators and contractors, but still a large majority of the stone men stand aloof from the modern progressive idea of publicity, because they may not be able to see the direct and immediate results accruing therefrom, and a formidable substitute secures an es-

tablished place in the minds of the public and is twice as hard to overcome. Take the Pittsburg district for example. Nearly all the cut stone contractors in that section have had a very lean year in spite of the fact that the season of 1906 has been of enormous prosperity to the building trade. Other localities are up against the same proposition; Buffalo, for example, and Cleveland, the home of Ohio sandstone. When cities such as these find their stone specification falling off in favor of such a rank substitute as terra cotta, it means that publicity, the great engine of modern progress has been disregarded, and they are overlooking the opportunities that are just beyond the door which stands ajar for their summons.

In talking to a prominent architect the other day, the conversation lead to the stone specifications of the season of 1906, and speaking of Indiana Oolitic Limestone, he said: "There is no building stone that ever gained as high a reputation and popularity upon such sound merits as the Indiana stone. It is the most adaptable, presentable and beautiful of all the American building stones for almost every purpose. When employed in classic lines, there is a sumptuous richness about its soft tints that make it the first thought of the architect when making his specifications. One of the great difficulties at the present time, as I see it, is that a great many people of this country have become so rich in recent years that they want something which costs more than Indiana limestone, and for this reason they turn to granite, which is harder to quarry and more costly to cut. It is significant that every other popular building material has materially advanced in price in the last two years, some items in fact having increased to the extent of 100 per cent, while Indiana limestone has remained at nominally the same figure."

J. W. Perry, 16 Douglass Street, West Quincy, Mass., has bought out his partner and succeeds to the business of Burgbauer & Perry.

Charles H. More & Co., who recently sold their Barre, Vt. plant to John and Donald Smith, of E. L. Smith & Co., have arranged with the purchasers by lease to continue manufacturing in the old plant, which they have operated for twenty or more years, until their new plant is finished. They intend to have a fine, modern plant with plenty of room for their constantly growing business.

We have received a handsome little diary memorandum book, which is due to the selection of Nathan C. Harrison, of the Harrison Supply Co., Boston, Mass. It is one of the kind which favored customers will be glad to carry in their vest pocket the year round, as a reminder of Harrison shot and supplies. An elegant reminder should certainly stand for the highest class of goods, and it does.

The owners of the copyright of the Lockwood Monumental design are still serving writs and agitating the copyright claim vigilantly. If every monumental design that has been popularly copied were to be prosecuted in the same manner, the troubles of the monument man would all be focused into one idea, that of one continuous legal contention. Hence the Lockwood design has ceased to be popular.

Colorado is coming to the front as a marble producing state. The Crystal River Marble Co., Denver, has located its quarries at a town which has been christened "Marble." While they have only quarried something like 5,000 cubic feet, the stone is said to be of very high quality for both structural and monumental purposes, and a railroad has been built to the quarry which will give the main outlet to the market.

Charles Grice, Newark, N. J., the American representative of George Anderson & Co., of Scotland, who make the Anderson diamond saw, was a Louisville visitor recently. He was as usual after an order, and when Charley goes after them, he generally gets 'em. As a result of his labors, a large number of saws are running in the stone sheds. He reports a very active year and anticipates an increase in the volume of his business in 1907.

Bloomington, Ind., the county seat of Monroe county, one of the counties which produce large quantities of the famous Oolitic limestone, is to have a court-house to cost about \$125,000.00. The old court-house has already been demolished and the ground is cleared for the new building. Monroe county will consequently be compelled to build a court-house and the stone interests of the county insist that it shall be built of the native stone, yet there are some holdbacks in the community who say that stone costs too much for them. No doubt such citizens wouldn't mind if a nice, clean wooden court-house were built, or even if it was frame and covered with tar paper providing of course for the fastening with copper nails, and sparkling tin caps. We are glad that this kind of citizens doesn't predominate in Monroe county, and that the beautiful Gothic lines executed in Oolitic stone will be the real specifications for the new county building. Just who gets the contract is still a mystery, and it really doesn't matter, for whoever gets it will certainly do a very creditable job. But still there is plenty of wire pulling to see who gets the chestnut out of the aches.

The Vermont Legislature now in session has turned down a bill which provided for the labeling of every piece of monumental granite shipped out of the state of Vermont in such a way that the quarry from which it came could have the credit or responsibility of producing each piece of stock. The bill was instigated by a number of granite manufacturers who have been up against the pernicious practice of substitution of similar granite for those that are demanded by the trade on account of well established reputation. The bill was not without merit, and some such legislation will likely be provided in the future to do away with one of the most flagrant evils which is working an injury to the quarrying interests.

We can not fail to be disgusted at times to see so many really bright active men in the stone business so narrow in their ideas that they seem to prefer to have the industry of which they are a part go to the dogs rather than willingly exchange thought and be a part of a movement for discovering new uses and for fostering the old channels to insure greater trade in the stone industry.

If you believe all you hear nowadays every approach or bridge is built of cement. It makes a good one but we are reminded as we ride through the Pennsylvania mountains that the railroad that owns this great state is double-tracking and it seems that all the bridges are being rebuilt of sandstone and native limestone. If that is the case the world has not come quite to the point of shutting off the demand for stone. However in this connection it can be truthfully said that if the journeyman stone cutter did not want as much wage and the short hours of a bank president there would be more chance for the stone man to retain his share of the profits.

The meeting of the National Rivers and Harbors Association to be held in Washington this week will be attended by delegates from the various commercial bodies seeking to influence Congress for greater appropriations to create if possible more transportation facilities that the great channels of trade may not be clogged as they are today. "The railroad and transportation facilities could be doubled and then we would not have too many," said J. J. Hill, the great railway magnate. The stone trade with its heavy tonnage could be greatly benefited if our Uncle Sam could be persuaded to the expenditure of anything like the sums appropriated by governments like England, Germany or Holland. It's up to you to help and you can do so by investigating the water-way needs in your own back yard and by singing the song, composed for the occasion, entitled "Fourteen Feet Through the Valley," to your congressman and ask every one you know to sing this chorus:

"We're going to have the water,
We're going to have the way;
We've got the tonnage waiting
To make the vessels pay;
And we'll get the fifty million
With Uncle Sam's O. K.

Fourteen feet through the valley."

Architectural.

Cheap Architect Poor Economy.

The desire on the part of the average American to get something for nothing is nowhere better exemplified than in the manner in which they select an architect. As a usual thing the man, who is going to pay for the erection of a building thinks he knows exactly what he wants; he knows the ground floor will be used for a bank office or store room and the upper floors for offices and he thinks, because he knows this and little more, that the work of the architect is slight indeed. Destitute of any proper knowledge of the architectural profession he goes from office to office in search of the cheapest man, utterly ignoring the fact that competency as an architect is acquired only by years of close application and experience. As a rule he pays dearly for this "penny wise and pound foolish" policy. He may save a few dollars in first cost by the employment of a cheap architect only to pay out in repairs, alterations, or loss by diminished rents many times the cost of the commission paid a competent architect. Just as it is always better to have a first class tailor design the clothes you wear so it is better to have a first class architect, even if the commission be greater, design the house you live in. The employment of a cheap architect is a poor economy.

Ontario Association of Architects.

The annual convention of the Ontario Association of Architects will be held January 15 in Ottawa, Can. In addition to papers that are being arranged for, it is proposed to make visits to the park improvements, the buildings on Parliament Hill and the site of the proposed buildings on Major's Hill. The association is a vigorous and flourishing organization. It is now in its nineteenth year. While the greater number of members live in Toronto, where all previous meetings have been held, there is a scattering representation from other cities and towns of the province and a considerable number from Ottawa. It is anticipated that the meeting will be most interesting.

Orders Upon Orders and Intercolumniation.

Alfred W. S. Cross, M. A., F. R. I. B. A., and Alan E. Munby, M. A., writing "Practical Notes for Architectural Draughtsmen" in the *Builders' Journal and Architectural Engineer*, have the following interesting article upon the Orders and Their Application:

"When horizontal and vertical spacing have been considered together, complications—additional to those referred to in Plate IV. on arcading—necessarily occur, and it is usually impossible, in practice, to decide the distance between columns from a purely academic point of view. The use of coupled columns is often of great assistance in difficult problems of intercolumniation, and such columns should be so placed that their capitals are almost in contact. Columns thus arranged in pairs are also effective when placed at external angles, where they give an appearance of strength to the building and finish to the facade. The intercolumniation throughout is fixed by that adopted for the lowest Order, since the columns of the upper stories must lie upon the same central lines. Where different Orders are used, the intercolumniation must thus vary in each story (being based upon the diameter of the column); but, however far from the ideal the resultant spacing may be, all openings should have a greater height than width. Naturally the Tuscan should be used for the lowest story, and the Doric, Ionic and Corinthian Orders for the upper stages of the building, whereby the composition becomes lighter in character as its height increases. If the same diameter of column be used throughout, the stories will increase in height

from the ground upwards, giving a result which is not only unsatisfactory in appearance, but incompatible with the usual horizontal accentuations of a structure. The best rule to follow is that devised by Scamozzi and adopted by Gibbs—namely, to make the upper diameter of the lowest column the lower diameter of the one next above, continuing this diminution to the top of the building.

"Pedestals are most suitable for use with the Orders when they are connected by a balustrade or blocking course, or when the columns are engaged; but, as a rule, they should be avoided in the higher stories, as they tend to produce a heavy effect; their introduction, however, is sometimes necessary, as, for instance, in cases where the distance between the floor and ceiling line makes it difficult to proportion the Orders properly by the above rule; in such cases pedestals are often found useful. It is not always possible to retain the height given for the pedestal—namely, one-fifth of the total height of the Order—when it is used in this manner. For example, the sills of windows can not usually be well placed below the cap of the pedestal; therefore, in cases in which the rooms are to be used for ordinary domestic purposes, consideration for the comfort of the occupants of the building will usually necessitate a smaller pedestal height being adopted.

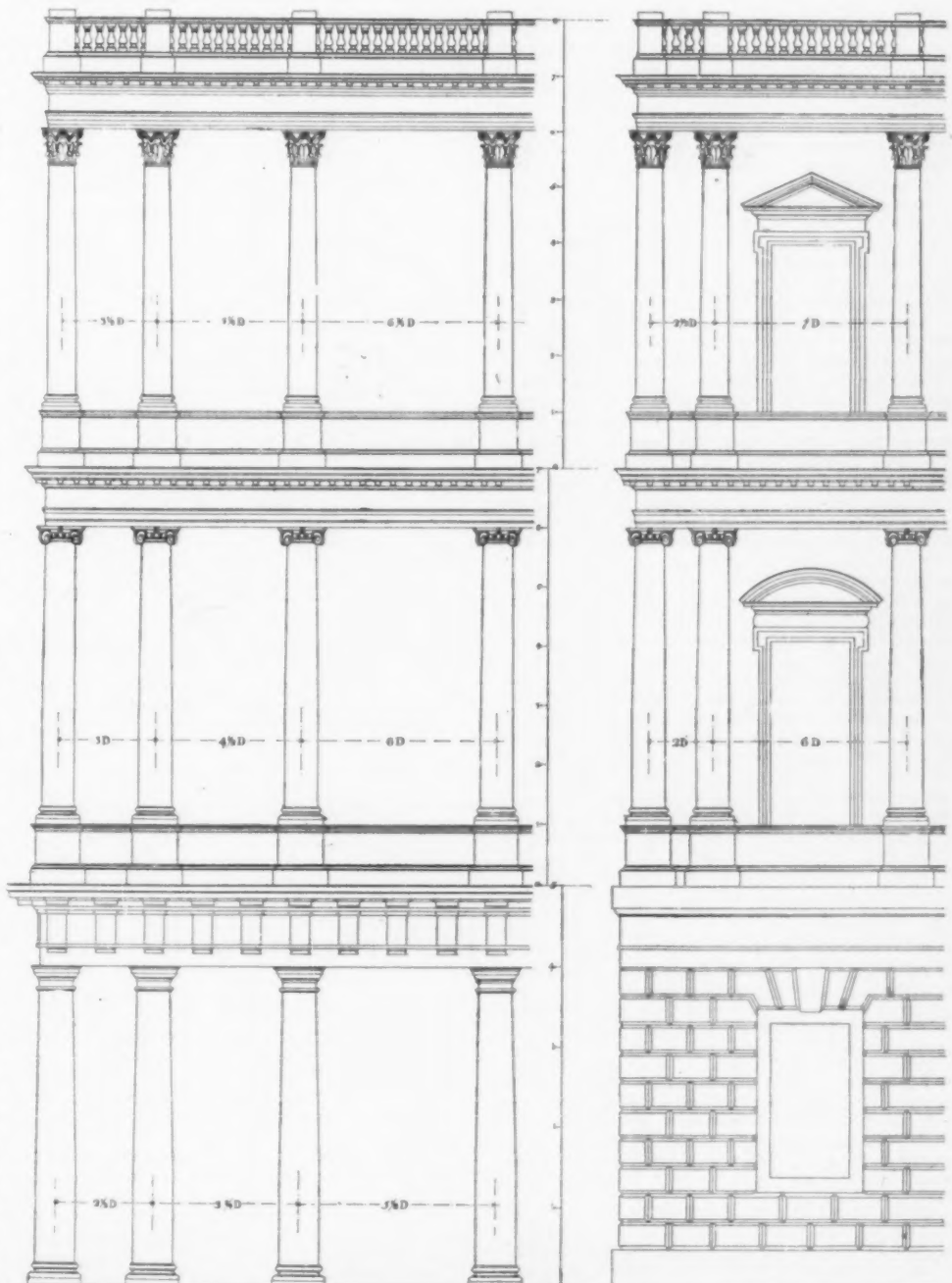
"If the lowest story of the building be rusticated, the size of the stones must be proportionate to the rest of the composition; and if a cornice crown this rusticated story, its height should be about one-eighteenth of that of the story, while the height of the plinth terminating the base may be about one-ninth.

"The height of a crowning balustrade, if used, should be one-quarter to one-third the height of the story below, and its plinth should be increased in height in proportion to its concealment, by the top cornice, from an observer's most advantageous point of view.

"When intercolumniations are wide, and when lightness is particularly required, the entablature of the Orders may be slightly reduced in height, the relative proportions of their members being still retained. It need hardly be added that these and other horizontal features, such as strings and balustrades, should be continuous throughout a facade, as otherwise the dignity, continuity and repose of the elevation may be entirely destroyed."

Secure Fund for Y. M. C. A. Building.

WHEELING, W. VA., November 20.—The Y. M. C. A. campaign for a fund of \$100,000.00 for a new building has ended in victory. Plans have not definitely been decided upon.



ORDERS AND THEIR APPLICATION.

Construction

Retropect and Prospect.

The year drawing to a close has been almost unprecedented in volume of building operations. Every section of the country has shared in the general movement toward more substantial, more artistic and greater public and private structures. If any contractor has not watched his bank account grow fat during the year, it has probably been because he is one of those individuals who do not know opportunity when the knock comes at their doors. And if he is not happy at this holiday season and does not fill his kids' stockings to the bursting point with gifts from Santa Claus he is either a misanthrope or he should go to farming.

The tale of prosperity in the building trade during 1906 has been told in every trade paper and in every daily paper in the country. Have you, Mr. Contractor, not picked up your morning paper on your ride down town to your office along about the first of the month and read statistics from the city building department showing how many more building permits were issued for the month past over the same month in 1905? But if you have been able to grasp the situation and profit by it, you have not needed statistics from city building departments to bring this fact forcibly to your mind. You were already conscious that "things were stirring." You have not been able to go to the theater as much as formerly; many of your nights have been spent at your office. Your wife and children have told you that they have forgotten how you look; they say you are never at home. You have looked over the pay rolls at the end of the month and noted the increased number of employees. You have worked your stenographers until the shades of evening have fallen. Your assistants have devoted more time to your affairs than ever before. It may be you have thought that acute business judgment and reputation for first class work brought this great increase in your business. Perhaps you have been too busy to know what your fellows have been doing; you have not had time to consider that your "rush" was but part of a great general movement. But if you will take a walk around your immediate vicinity you can read everywhere the tale of prosperity in the attractive and substantial buildings that are going up around you.

Just this thought then at the close of one year and the beginning of another. Plans already under way indicate that the volume of operations in 1907 will be even larger than in 1906. Are you prepared for the increase? If you were short of materials or short of men this year what provision have you for overcoming that shortage next year? If you have lost money on some job have you tried to analyze your failure and learn exactly where your mistake was made? Will you be able to apply the lessons you have learned in the school of experience during the year now closing? Your work outside will be less during the winter months now coming on but that does not mean that your inside work should cease. Use your leisure hours for solving some of the problems that in the rush of business you have not had time to consider and you will be in a better position to begin your work in the new year.

The United States Construction Co., of New Orleans, La., has been organized with a capital stock of \$100,000.00. Directors and officers are E. A. Parsons, president; Frank J. Noullet, vice-president; Louis R. Hoover, secretary and treasurer.

Kansas City, Mo., building statistics show an increase of \$44,540.00 in building operations in October 1906 over October 1905. Three hundred and seventy permits were issued with a total valuation of \$764,700.00.

Contracts to Be Awarded.

P. S. Hay, engineer-in-chief, public works office, Wellington, N. Z., announces the construction of a tunnel five miles, twenty-five chains in length through the range of mountains on the New Zealand Midland Railway. Plans, specifications and conditions can be seen at the office of Virgil G. Bogue, consulting engineer, 15 William Street, New York. Proposals will be received until noon Monday, March 18, 1907.

Sealed proposals will be received by the Mayor of Plattsburg, Mo., until December 11 for the construction of a steel standpipe erected on a brick tower and for parts of a system of water works. E. C. Hall is city clerk.

Bids will be received by the Board of Public Works of Gainesville, Fla., until December 18 for the construction of a sewerage disposal plant. W. W. Hampton is secretary of the Board.

Bids will be received until 2 p. m., December 18 for the construction of a main sewerage system with pumping plant and sewerage disposal plant in West Seneca, N. Y. Henry C. Lein is supervisor.

Bids will be received until December 15 for the construction of a 600 foot steel highway bridge across Caney Fork river about three miles from Carthage, Tenn. Specifications can be obtained from W. E. Myer, Carthage, Tenn.

Sealed bids for the construction of a steel bridge 920 feet long supported by stone piers and the abutments and approaches over Taunton Great river between Fall River and Somset, Mass., until December 17. Richard M. Berrian, 53 State Street, room 913, Boston, Mass., is engineer.

Government Bids and Contracts.

The contract for the construction of the government buildings at the Jamestown Exposition has been let to George Moore & Sons, of Nashville, Tenn., at a cost of \$227,050.00.

The contract for the construction of coaling plant at California City Point, Cal., has been awarded to the Hoshier-Platt Co., of New York, for \$87,893.00.

E. B. Rogers, paymaster general of the United States Navy, Navy Department, Washington, D. C., will receive bids until 10 o'clock a. m., January 29, 1907, for the construction of two pile and timber protection piers at the naval training station, Great Lakes, North Chicago, Ill.

Sealed proposals will be received by the Commissioner of Indian Affairs, Washington, D. C., until 2 p. m., December 10, for constructing a hospital building at the Carlisle school, Pa. Maj. W. A. Mercer, superintendent, will furnish other information.

Maj. R. M. Turner, Q. M., will receive bids until 11 a. m., December 15, for the construction of quarters at Boise Barracks, Idaho.

Sealed proposals will be received at the office of the light house engineer, Philadelphia, Pa., until noon, December 10, for sinking a caisson and erecting foundation of a light house at Elbow of Cross Ledge, Delaware, Pa.

Formal Protest Against Bid.

CHICAGO, ILL., November 22.—Bids for the water section of the southwest land and lake tunnel—one of the largest submarine bores in the world—were opened by Commissioner of Public Works O'Connell and immediately there followed a formal protest against the lowest of the three submitted bids. The lowest bid was one of \$1,450,000.00 by Joseph Hanreddy for a tunnel of cement retaining wall. Jackson & Corbett Co. matched this with a bid of \$1,550,000.00 and added another of \$1,675,000.00 for construction with brick retaining wall. The protest was made by the Jackson & Corbett Co., contending that Mr. Hanreddy's bid was "informal" and legally should be thrown out in not setting a price for construction in brick.

The water section is known as section No. 3 of the southwest tunnel. It will be eleven feet in diameter and extend from a crib off Seventy-third Street, which is to be erected two miles out in the lake, to Yates Avenue and Sixty-ninth Street, 2,000 feet from the shore line. A floating plant will be required in addition to the submarine equipment in order to complete the work.

Will Erect Sauer Kraut Factory.

SYRACUSE, N. Y., November 21.—The Woerner Preserving and Packing Co., of Liverpool, is contemplating the erection of a sauer kraut factory that will be the largest of its kind in the world and will consume annually 10,000 tons of cabbage. The officers of the company are G. E. Sherer, president, J. E. Taylor, vice-president; A. K. Hiscock, treasurer; E. H. Elliott, secretary; and David C. Woerner, superintendent. The new factory may be located at Rochester. Plants are now being operated at Liverpool, Kirksville and Minoa. The offices are at Liverpool.

Bids for \$5,000,000.00 Aqueduct.

NEW YORK, November 20.—The Board of Water Supply has advertised for bids for the construction of a new aqueduct to bring water from the Catskills. This section extends from Hunter's Brook to Foundry Brook, a distance of about ten miles and stretching from Westchester county to Putnam county. It is estimated that the cost will be \$5,000,000.00. The work must be completed within 48 months after the signing of the contract.

New Skyscraper for Chicago.

CHICAGO, ILL., November 20.—A sixteen story bank and office building will be erected by the Corn Exchange National Bank at the Northwest corner of LaSalle and Adams Streets. The building will be 188 feet by 75 feet and of granite and pressed brick. Shepley, Rutan & Coolidge are the architects. It is planned to start work on the building by May 1, 1907 if the buildings on the site can be torn down by that time.

Will Build Apartment Houses.

HARTFORD, CONN., November 23.—The Hartford Realty Co. will erect two apartment houses on Farmington Avenue at a cost of between \$100,000.00 and \$150,000.00. The buildings will be four stories high. Pressed brick and limestone will be used for the outer walls and the base will be of cut granite. The construction will be of the semi-fire-proof type. Isaac A. Allen, Jr., is the architect.

Want Obnoxious Law Repealed.

NASHVILLE, TENN., November 22.—Contractors of Nashville object to the provision of the recently passed code of building laws which prohibits the mixing of mortar concrete or plaster on any street, alley or sidewalk in the city. The contractors will be seriously handicapped if the law is rigidly enforced. They are making efforts to have the obnoxious section repealed.

Will Build Courthouse.

LONG ISLAND, N. Y., November 26.—Borough president Bermel has had plans prepared for the rebuilding of the court house which was almost totally destroyed by fire more than two years ago. Contracts for the new building, which will be a restoration in part of the old structure, will be awarded about December 15.

Plant for Auditorium Complete.

CHARLOTTE, N. C., November 20.—Architect L. L. Hunter has completed plans for the proposed auditorium here which will be erected at a cost of \$50,000.00. The auditorium is to have a seating capacity of 5,000 and is to be on the second floor. The ground floor will be occupied as store rooms.

Vote School Bond Issue.

ELYRIA, O., November 20.—The vote on the bond issue for the erection of a new school building carried by 1,012 to 272 against. W. E. Campbell, architect, is preparing plans, which will be ready in the course of a month or two.

Will Build Cigarette Factory.

NORFOLK, VA., November 26.—The Ware-Kramer Tobacco Co. will erect a six story brick and stone factory here for the manufacture of cigarettes. The cost of the building is estimated at \$50,000.00.

New Illinois University Building.

URBANA, ILL., November 12.—A handsome addition to the buildings on the university campus is now in process of construction. It will be known as the Auditorium, and will have a seating capacity of 2,700. The structure is circular, and the general style is classic. Granite, stone and brick are the materials used outwardly, the first floor being entirely of granite. In the interior a hemispherical form is adhered to, the seats being arranged in a half circle about the stage. The single gallery is supported by steel cantilevers, extending outward from the rear twenty-four feet. There are no supporting columns, and the view of the stage is unobstructed from all parts of the hall.

\$200,000.00 Public Bath Building.

NEW YORK, November 20.—Plans have been filed with the building department for a three-story public bath and gymnasium building to be erected at 342-348 East 54th Street. It is to have a frontage of 75 feet and a depth of 100 feet with a facade of brick trimmed with granite and limestone and ornamented with Doric engaged columns supporting a cornice and balustrade. Separate baths for men and women will be on the first two stories and a mezzanine story will be used for a running track. The building is to cost \$200,000.00 and Werner & Windolph are the city's architects.

Work on National Museum Delayed.

WASHINGTON, D. C., November 22.—Work is progressing on the new United States National Museum building, which will cost \$3,500,000.00 and will be one of the most important of Washington public buildings. With the exception of the Capitol it will be the largest public building in the city. The building has been designed after a simple classic style of architecture by Hornblower & Marshall. White granite has been used in the construction of the building. The failure of the quarries to furnish the stone on time has delayed the work.

Greek Temple for Stock Exchange.

NEW YORK, November 25.—Plans have been filed with Building Superintendent Murphy for the building to be erected for the Consolidated Stock Exchange at the southeast corner of Exchange place and Broad Street. It is to be a four story edifice of brick trimmed with granite and terra cotta, fashioned after the design of a classic Greek temple, with porches adorned with two Ionic colonnades, 99 and 126 feet long respectively, and crowned by a great dome. The building is to cost \$250,000.00. The architects are Clinton & Russell.

Gives \$500,000.00 for Hospital Building.

NEW YORK, November 23.—Isaac Guggenheim announced last night to the board of directors of the Sydenham Hospital on East 116th Street, that he would erect a new building for the institution at a cost of \$500,000.00 if the board would guarantee the hospital an income of \$50,000.00 or \$60,000.00 a year. His offer will probably be accepted.

New Normal School Building.

KALAMAZOO, MICH., November 20.—E. W. Arnold, architect, of Battle Creek, has completed plans for the erection of a new building at the Western State Normal school. The building will contain a gymnasium and assembly hall and room for an addition to the library.

City Hall Bond Issue Vote.

GENEVA, N. Y., November 28.—Citizens of Geneva will vote December 17 on a proposition to issue \$20,000.00 worth of bonds for the construction of a new city hall, the site for which has been selected.

Baptists Will Raise \$500,000.00.

CHARLOTTESVILLE, VA., November 30.—The Baptist Educational Commission of Virginia has begun a campaign to raise \$500,000.00 for the building of a Central Baptist Woman's College in Richmond.

Building Operations in South Dakota.

DEADWOOD, S. D., November 20.—The practical completion during the year of buildings valued at nearly a million dollars will be the record of Deadwood for the year 1906.

The government building in process of construction, and involving an expenditure of about \$212,000.00, will be practically completed this year. The material used is white sandstone from Hot Springs. The building will be one of the finest in the state. The county court house and jail are built of pressed brick and will cost together \$100,000.00. One of the most expensive pieces of work is the erection by the Homestake Mining Co., within the limits of this city, of a slimes plant with a capacity of 1,800 tons a day and at a cost of \$500,000.00. This plant is almost completed and will be in operation before many weeks have passed. A large amount of the money involved is in the machinery. The new Deadwood theater, valued at \$50,000.00 was finished last spring. A three story business block, constructed of pressed brick, was put up at a cost of \$50,000.00. These buildings alone represent an expenditure of considerably over \$900,000.00, while smaller buildings and a number of residences will bring the total sum well within the neighborhood of \$1,000,000.00.

Fort Worth Building Operations.

FORT WORTH, TEX., November 20.—Building interests in Fort Worth, and especially in the downtown district, are as actively engaged now as at any previous time and the contractors are reaping a rich harvest from the general prosperity of the city.

Morgan & Evans have erected a three-story store and office building on upper Main Street for T. B. Ellison at a cost of \$40,000.00. Sanguinet & Staats are the architects. At the corner of Tenth and Main Streets B. F. Sargeant is erecting a three-story building for James Moore at a cost of \$35,000.00. Other buildings are being erected all over the city and contractors have their hands full.

Des Moines' New Postoffice.

DES MOINES, IOWA, November 21.—James Knox Taylor, supervising architect of the United States treasury department, while in Des Moines yesterday announced the plans for the new \$500,000.00 postoffice building, which will adorn the banks of the Des Moines river.

As approved by congress the magnificent building will cost a half million dollars. It will rise two stories in height and will be constructed entirely of stone, with handsome marble interior finishings. The choice of stone has not yet been made, although it will be the most serviceable and at the same time the most attractive that can be found.

Plans for Y. M. C. A. Building Approved.

NORFOLK, VA., November 10.—Plans for the Naval Y. M. C. A. building to be erected at Boush Street and Brooke Avenue at a cost of \$300,000.00, a donation from John D. Rockefeller, have been approved by the local officials and have been sent to New York for the approval of the national committee of the association. The building will be seven stories, with 272 private rooms for sailors of Uncle Sam's navy. Some of the features are a big swimming pool, with hot and cold water pipes, a large and fully equipped gymnasium, and a first class restaurant.

New District Municipal Building.

WASHINGTON, D. C., November 26.—Rapid progress is being made on the new municipal building being erected on the square bounded by Thirteenth and a half, Fourteenth, D and E Streets. The \$2,500,000.00 structure will be the first suitable home that has ever existed for the machinery of district government. James L. Parsons, of this city, is the contractor and Cope & Stewardson, of Philadelphia, are the architects.

During October building permits were issued in Washington, D. C., for the construction and repair of 515 buildings at an estimated expenditure of \$335,965.00.

Pay Attention to Fireproofing.

There has often been editorial and other mention of our country's appalling contributions to the fire fiend, but judging by the number of people who have built well, little attention seems to have been paid to the admonitions of those who know how buildings should be done. Even in the matter, the one detail, of fire-proofing the steel frame and building the floors and partitions of hollow fire-proof tile or other more or less fire-proof material, there are but little over 3,000 buildings so constructed in the entire country. In San Francisco there were perhaps thirty, and they are about all that is left in the burned district, and as far as regards the homes, where we should spend the most time, and where we house those most cherished by us and our other treasures, I doubt if there are 300 properly built in the entire country, and there was not one in San Francisco.

The results of this laxity in building have often been mentioned. It may not be amiss, however, to briefly recapitulate. We destroy usually about 8,000 lives a year by fire. In New York there is an average of 8,700 fires a year, in Chicago 4,100. We burn up 3 theaters, 3 public halls, 12 churches, 10 schools, 2 hospitals, 2 asylums, 2 colleges, 6 apartment houses, 3 department stores, 2 jails, 26 hotels, 140 flat buildings and 1,600 homes every normal week of the year, and while doing so directly jeopardize 36,000 lives every day in the year. Normally we are supposed to burn up about \$200,000,000.00 worth of property a year, but the question is, what is a normal year? Nineteen hundred and four, with its Baltimore disaster, was termed abnormal; here we are this year with San Francisco. The same thing may reasonably happen to New Orleans or any of the other particularly flimsily built cities next year or, indeed, in the remaining half of this. So far, including San Francisco, our loss for the year is bound to be \$800,000,000.00. Besides that, we pay out pretty nearly \$200,000,000.00 more a year for fire departments, water and the other incidentals of alleged fire protection. Ah, we are great on trying to cure evils, but astonishingly slow in inaugurating anything that looks to their prevention—and to cap the climax we pay the enterprising gentlemen who are willing to gamble with us that our flimsy buildings will not burn, the insurance companies, a sum that has reached \$1,610,883,442.00 in ten years' time.—*American Builders' Review.*

Awarded Big St. Louis Contract.

ST. LOUIS, MO., November 30.—James Stewart & Co., a well known firm of contractors, who were the subject of debate in the British Parliament a few years ago concerning their phenomenal work in completing a building in Manchester for a Westinghouse corporation in one year, when the time set by the British Trades unions for its completion had been three years, have just been awarded the contract for two buildings for the Ely-Walker Dry Goods Co., at a cost of \$1,500,000.00. The construction will be of steel frame with exterior of granite, brick and terra cotta. These buildings, planned by Eames & Young, architects, form part of a scheme inaugurated several months ago to build up Washington Avenue with wholesale houses as far west as Elizabeth Street. The Marquette Hotel at 18th Street and Washington Avenue, now nearly completed, and the Brown Shoe Co.'s building in the next block form part of the general outline.

To Dismantle "Tyrolean Alps."

ST. LOUIS, MO., November 30.—Those who visited St. Louis during the World's Fair two years ago will be sorry to learn that the beautiful Tyrolean Alps will shortly be dismantled. The property, installed at a cost of over one million dollars is now advertised for sale and it is said to be the intention of the owners of the site to establish a residence sub-division, adding another of these handsome private places for which St. Louis has become famous.

Plans for Library Building.

NEW YORK, November 27.—Plans were filed today with the building department for a new three story public library building at 303 East 36th Street. It will be of colonial design with a frontage of 47 feet and a depth of 70 feet. A unique feature of the library will be a pergola, which will be utilized as a reading roof garden.

From Our Own Correspondents.

GREATER NEW YORK.

NEW YORK, December 1.—The beginning of the last month of 1906 finds but little decrease in the volume of building operations. Save that the inclement weather is causing much outside work to cease and has driven the contractors indoors, there is but little noticeable change in the busy aspect of building operations in the Metropolis. The year has been a most phenomenal one, and with structures now under way and planned the year 1907 promises to be still more profitable for the building industry. In addition to many private enterprises that are to be housed in the most modern and approved style municipal officials and railroad officials are planning great forward strides for the next year. Local contractors and architects do not regard the closing year as having been abnormal in their lines, but prefer to think it is just the natural increase that comes with the increasing prosperity of the country.

One of the monster building operations planned for the new year is the New York terminal for the New York and New Jersey Railroad, and the Hudson and Manhattan Railroad. Detailed plans were given out recently.

There will be two buildings in Church Street, from Cortlandt to Dey Street, and from Dey to Fulton Streets. The northerly building will be known as the Fulton Building and the southerly as the Cortlandt. They will each be twenty-two stories above the surface and will extend 75 feet below the street line to bed rock. There will be space for 4,000 offices, and when completed, it is said, the terminals will constitute the largest office structure in the world.

The structures will be examples of Italian Renaissance. Up to the fourth story they will be built of polished granite and Indiana limestone. Above that will be brick and terra cotta. The halls will be of marble and the buildings will be finished in hardwood throughout.

The proposed terminals will contain about three times the space of the Broad Exchange Building, the largest at present in Manhattan.

There are at present about 4,000 men engaged in the work of the terminal, building foundations and the tunnels proper. Clinton & Russell, of 32 Nassau Street, architects for the buildings, say at the present rate of erection they should be completed by May 1, 1907.

Of the four trolley tunnels now being built under the North River, the two down-town are about three-fifths completed and the uptown completed to Sixth Avenue, Manhattan. The two southern tunnels extend from Cortlandt and Fulton Streets, Manhattan, to Montgomery Street, Jersey City. There will be a transverse tunnel in Jersey City extending along shore beneath the tracks of the Pennsylvania, Erie and Lackawanna railroads, with entrances at each station. The northerly tunnels will extend from Fifteenth Street Jersey City, to Morton Street, New York. The tubes will continue under Morton, Greenwich and Christopher Streets and Sixth Avenue, thence up to the site of the Manhattan Theater and the uptown terminal. At Christopher Street and Sixth Avenue a branch will be continued eastward under Ninth Street, which it will connect with the interborough subway.

An interesting feature of the present work is a monster cofferdam that has been that has been built under the Church Street buildings. It is said to be the largest ever constructed. This mode of excavation was made necessary by the wet ground extending to the rock bottom seventy-five feet below. The area covered is 400 feet frontage on Church Street and reaches a width of 175 feet to the west. It is bounded by heavy concrete walls.

Power for the operation of tunnel cars and the heating and lighting of the terminals will be supplied from Jersey City. A central station similar to the new Thirty-eighth Street New York Edison

Company plant is now being built there on the block bounded by Washington, Bay, First and Greene Streets. It will be completed about June 1, 1907.

It is estimated that the entire outlay of money in the tunnel enterprises projected by the companies will reach \$60,000,000.00. The Church Street terminal buildings will cost about \$8,000,000.00.

\$547,000.00 Sewer for the Bronx.

The Board of Estimate and Apportionment has authorized the construction of outlet sewers in the Bronx in portions of Lafayette Ave., Avenue A, Green Lane, East 172nd St. and Parker Ave. This sewer will be an important outlet for the Unionport sewers and its estimated cost will be \$547,000.00.

The municipality is still having trouble over plans for the new municipal building in the Borough of Brooklyn, which has been under fire for more than four years. The firm of McKim, Mead & White, architects, has rendered a bill against the city for \$32,000.00 for plans prepared for the building. When the building was first suggested several of the most prominent architects in the greater city competed for the prize and the winner was declared to be Washington Hull. His plans called for an eight-story building to be erected at a cost of \$1,500,000.00. He prepared his plans for the building but the borough president who ordered the work done failed of re-election, and his successor brushed Architect's Hull's plans aside, saying that they were not adequate for the municipal building. He had McKim, Mead & White draw plans for an elaborate building that would cost \$3,200,000.00, and on the walls of his office was a water color picture of the building that covered one side of the room. He also failed of re-election and his picture was kicked out. In the meantime Washington Hull was clamoring for his money. He put in a bill for \$15,000.00 for drawing his plans and also for 2½ per cent of the cost of the building as his fees. Now Borough President Coler is arranging to have Lord & Hewlett, another architectural firm, draw plans for a skyscraper. The matter has become a standing joke.

New Apartment to Be Built.

Plans were filed November 30 with the building department for a new six-story apartment to be built at the northeast corner of Riverside Drive and Ninety-fifth Street for George W. Levy. It is to have a frontage on the drive of 108½ feet and a depth of 173 feet, with a facade of brick, trimmed with limestone and terra cotta. It will have accommodations for forty-five families and will cost \$350,000.00. Schwartz and Groos are the architects.

Plans have also been filed for a new ten-story loft building, with ground floor stores for the E. J. Galway Co., at 138 and 140 West Seventeenth Street. It will have a frontage of 42 feet and a depth of 88 feet, with an extension and a facade of ornamental limestone. It is to cost \$175,000.00 according to the estimate of George W. Anderson, architect.

The inter-locking steel piles forming bulkheads and sides of caissons, spoken about in the last issue of Rock Products, which were driven by an electric pile driver, are now furnishing another example of the application of electric force. When these piles are set home the depths vary, leaving an uneven edge along the top. It is desirable to trim them off to a uniform line and the job of doing it with a hammer and chisel would be interminable. So Thompson & Starrett, contractors for the new Hoffman House at Broadway and 25th Street, one of the jobs on which steel piles are being used, decided to use electricity and burn them off. The alternating current from the street is used to the extent of fifty volts. It produces a fierce flame, intense, lurid and blinding. It also burns the faces of the men who must have their heads near the point of contact, to follow the work, so that they wear heavy asbestos masks, with goggles of thick dark glass. As many spectators would probably, through ignorance in looking at the great flame, perhaps ruin their sight, a high board fence has been built around the workmen, shutting them out from the public view.

A New Home Club.

About a year ago a group of wealthy New York men concluded that it would be desirable for them to have a building where, with their families, they could enjoy at one and the same time all the comforts of a club and the privacy of a home, and the aim has been achieved. They have built the "New Home Club" at No. 11 East Forty-fifth Street. In some respects the establishment will be like a

communal house, but while certain features will be shared in common, this will not mean the necessity for constant commingling. On the contrary each family will have the isolation that a private residence insures if it cares to avail itself thereof, and arrangements have been made that the different families need not be brought into contact with each other.

Apart from the club feature, one of the purposes is to have a co-operative apartment house containing all the features of a high class hotel and reducing housekeeping cares to a minimum. The structure is the natural evolution of the many large studio buildings that have been planned recently and it embodies all the additional improvements that could be devised by men of unlimited means. Each of the tenants will have an available floor space equal to that in a five story residence, and their meals will be served by electric dumb waiters from a kitchen in the basement to either a general or a private dining room, as they prefer, with every convenience of a modern hotel at their disposal. The studio buildings are apartment houses pure and simple and, although usually co-operative, each family, to quote the law defining multiple dwellings, "does its cooking on the premises," or, in other words, in individual kitchens.

Built of steel, limestone and brick, the building, with the land, represents an investment of \$1,000,000.00, and the project has been duly chartered under the name of "The Home Club Corporation." Its directors are Wilbur C. Fisk and Pliny Fisk, of the banking firm of Harvey Fisk & Sons; Thomas Thacher, William A. Barnum and John A. Kerpelman, all of whom, with their families, will live there. In all, seven families will be accommodated. The ground includes three large city lots, and the architects of the building are Gordon, Tracy & Swartwout.

AROUND SYRACUSE.

Syracuse, N. Y., December 1.—Plans are progressing for a soldier's and sailor's monument to be erected in Clinton Square according to designs by Sculptor Cyrus E. Dallin and Architect C. H. Blackall, both of Boston. Early in the spring a staff monument will be erected full size in order to allow the sculptor to make any changes he deems advisable. It will be three years before the permanent monument of Barre granite will be in place. The cost will be about \$80,000.00.

Considerable building and construction work is in progress in this vicinity. At Rome, a stock company has been organized to build a theater, S. H. Beach being president, in the spring. At Rochester, N. Y., St. Augustine Roman Catholic congregation will erect a church to cost \$30,000.00. The Rev. John H. O'Brien is rector. The Grace Methodist Episcopal congregation of Rochester will also erect a church to cost \$60,000.00. The Rev. E. Shepherd is pastor. At Syracuse, Patrick Gannon, of 257 James street, will erect a five story business block to cost \$40,000.00.

Rupert A. Fairbairn, representing the Harrison Supply Co., of Boston, Mass., dealers in granite and marble polishers' supplies, was recently here. Mr. Fairbairn has just completed a trip which included Cleveland, the Georgia marble section, New Orleans, Mobile, Vicksburg, Memphis, St. Louis and the Wisconsin marble section in all of which places, he finds the monument business booming. Mr. Fairbairn's firm has advanced the price of putty powder slightly.

The St. Lawrence Marble Co., at Gouverneur, is now operating its mill by electricity furnished by the Oswegatchie Light and Power Co.

Pulaski, N. Y., is raising a fund to erect a soldier's and sailor's monument. The J. B. Butler Woman's Relief Corps pledged a neat sum towards the fund and several others have promised to contribute. A. S. Warner Camp, Sons of Veterans, is arranging a fair and bazaar to help in the work.

Delaney & Soule, monument dealers, have had a much better business than last year, the only drawback being that it is hard to secure all the help that is necessary.

Granite cutters of Syracuse are rejoicing in the fact that they will only work nine hours a day instead of ten as formerly. The movement for shorter hours was successful, the monument men agreeing with them. The wages which are from \$2.75 to \$3.50 a day will remain the same.

Work on the new armory building, for which John Crabtree is cutting Indiana limestone, is

progressing rapidly. Mr. Crabtree is cutting Onondaga stone on the armory lot, while at his yard he is preparing Indiana limestone for the same building.

Charles Thomas is cutting Onondaga limestone for the new Polish church, Barre granite and Indiana limestone for the new Bell Telephone Co. building and he has just completed a big job at Skaneateles on the Roosevelt mansion.

The Sandborn Granite Co. has put in a surfacer manufactured by Thomas H. Dallett Co., of Philadelphia. Walser Bros. have recently installed one of the Dallett plug drills.

At Orwell, N. Y., over the grave of Charles A. Babcock a former prominent lumber merchant, an odd memorial has been placed in the Evergreen cemetery. The memorial is marble and granite and is an exact reproduction of a saw mill which was owned by Mr. Babcock.

An \$8,000.00 mausoleum has been erected at McGraw, N. Y., in memory of Miss Elizabeth Hathaway. The base is an 11 ton block of Quincy granite.

W. H. Malley, who operates a large stone quarry near Marcellus, has a large order for face building stone to be used in the new armory.

It is expected that a site for the new post-office will be selected by the Department at Washington in a short time. The inspector has been looking over the sites and has made a report.

Holy Trinity congregation will erect a stone church to cost \$50,000.00.

The Deutcher Bund of Syracuse is raising money for a Schiller monument to cost \$7,000.00. The president is William Schmidt and the secretary is A. Meyer.

Hurtig & Seamon will erect a new theater and block to cost \$125,000.00.

BUFFALO AND VICINITY.

Buffalo, N. Y., November 30.—A marble drinking fountain is being erected in Broadway near Washington street, Buffalo. The base of the fountain is a marble block on which stands a marble column supporting a bowl-shaped marble trough from which horses may drink. From the center of this bowl rises another small marble column from which the water spurts to the drinking trough below. The jets spring from heads of miniature lions. Small drinking bowls are placed at the foot of the fountain to accommodate dogs and other small animals unable to reach the higher bowl. Buffalo receives the fountain through the activity of the Erie County Society for the Prevention of Cruelty to Animals, Mayor Adam and the common council granting the necessary permission. The cost of the fountain was about \$500.00. A small tablet bears the inscription: "1906, Presented by the National Humane Alliance, Hermon Lee Ensign, Founder."

Although Yates county, N. Y., furnished 2,109 soldiers to aid the Union cause in the Civil War, no monument has been erected by the county in commemoration of its heroes. In 1895 a monument was erected at Benton Centre, N. Y., but it was put there by the citizens of the town of Benton, and is exclusively the property of that town. For some time the Grand Army men throughout the county have been working to secure sufficient money to erect a suitable memorial. Through hard and persistent work about \$3,000.00 has been collected and they aim to secure \$3,000.00 more in the same manner. It is proposed to spend \$8,000.00 for a monument and an additional \$3,000.00 must be raised by the taxpayers.

Designs that are now before the committee of the members of the G. A. R., of Rochester, indicate that two very handsome monuments will be erected on the soldier's plot in Mt. Hope and Holy Sepulcher cemeteries in the Flower City. The question was taken up by the old veterans some time ago and designs were asked from the sculptors and dealers in monuments. A committee is in receipt of several appropriate designs and models. Several sculptors are represented by the models, and it is said that, owing to the excellency of the different models it will be difficult to make a selection.

At the next meeting of the North Buffalo Business Men's Association an effort will be made to induce the city to build an asphalt pavement in Niagara street from Hertel avenue to O'Neil street. This mile of rough stone pavement is in poor condition, and dangerous in places for auto-

mobiles and light vehicles. It is one of the connecting links between Buffalo and Niagara Falls, and Grand Island.

The Rochester, N. Y., Hotel Corporation will shortly begin work on a new \$1,000,000.00 hotel that city. The type of architecture will be the Italian renaissance. The first and mezzania floors will be of stone construction.

An electrically illuminated marble fountain was recently erected in the public square of Watertown, N. Y., by Mrs. Sarah Flower, widow of the late Governor Roswell P. Flower, of New York State.

David Ready, who had a contract to supply the J. L. Fulton Co. with stone has been awarded a verdict of \$7,243.46 in a suit against the Fulton concern. The case was tried in Buffalo. It is alleged that the company quit taking the stone before the contract was finished. Six years ago Ready recovered \$5,000.00 in the Supreme Court, under a construction by the court that the contract called for 8,000 cubic yards of stone. The defendant appealed, and the Court of Appeals secured a reversal of the verdict, the court holding that the contract should have been construed as calling for 5,000 cubic yards of stone. Logically, under such a decision a smaller judgment would be expected, but this is where the jury turned expectations upside down. The case was retried in Buffalo before Justice Lambert and the 5,000 cubic yards construction ruled, but the jury awarded Ready over \$2,000.00 more damages than he got before.

The Board of Public Works of Niagara Falls recently considered several paving bids. The contract for paving Main street, McKoon avenue and Whitney avenue of that city, one of the largest awarded by the city in years was given to Warren Bros. Co. at its figure of \$55,000.00.

PITTSBURG AND VICINITY.

PITTSBURG, Pa., November 30.—The effects of the coming of the cold weather are beginning to tell on business around the quarries now, and there will be little more done until the weather opens in the spring. On the other hand, the demand is unusually good in this vicinity for this time of the year, and some few of the operators have succeeded in working ahead of the demand to such an extent that they will be able to fill all orders received for several months to come. Some few of the quarries will make an attempt to run through winter without closing down, but these will principally be those producing a hard and unstratified paving block or limestone.

All of the sand companies operating and dredging in the rivers in the vicinity of Pittsburgh have put their dredging apparatus in winter quarters, as it will not be long until the rivers are in such shape that work will be impossible. These concerns have large quantities of river sand on hand, and will be able to supply any demand throughout the entire winter.

The season has been one of the most successful in the history of Pittsburgh, and from the present indications, next year will even surpass the record of 1906. The increasing use of concrete in construction has been an important factor in the unusual demand for sand and crushed stone, and there will be even more concrete construction in Pittsburgh and vicinity next spring and summer than there was this year, so that there is excellent ground for the prediction that these products will be in demand in larger quantities than ever before.

Neal Brothers, of Pittsburgh, extensive owners and operators of sand and limestone quarries, have disposed of their large limestone quarries at New Martinsburg, W. Va., to the Berkeley Limestone Co. The price paid was about \$140,000.00, and the new owners announce their intention of expending about \$50,000.00 in modern improvements and apparatus during the winter and early spring. They will make the new acquisition one of the most modern plants in the district, and materially increase the output. There is an immense amount of stone in sight.

Taylor & Wherry, cut stone and marble dealers and contractors of Scottsdale, Pa., announce that they have a large number of fine orders on their books that will have to be completed before winter sets in to such an extent that fine work will have to be stopped. They have several big stone and marble contracts in the vicinity of Uniontown and Perryopolis. They advise that they are well pleas-

ed with the business of the past season, and anticipate a very busy spring and summer in 1907.

The Martin Brick Co., 717 Empire Building, Pittsburg, has the contract for furnishing the Longmeadow Brownstone that is being used in the construction of a magnificent residence on Perryville Avenue, Allegheny. The walls, columns and porches of the residence are being constructed of this stone, which is brought here from Worcester, Mass. The building when completed, will be one of the finest in Allegheny.

R. M. Gees' Sons, Monongahela City, Pa., have the contract for the furnishing and erecting of the monument for Stephen Wall, at Elizabeth, Pa. The shaft will be of granite, and will be not only the tallest, but also the finest in the Elizabeth cemetery.

Edward Sanders, Pitcairn, Pa., has been awarded the contract for the stone work for the new \$25,000.00 stone church that is being erected in that suburb by the Methodist Episcopal congregation. Pennsylvania and West Virginia stone will be used exclusively on the contract.

Simon White & Sons, Wheeling, W. Va., and Claysville, Pa., have been awarded the contract for some of the finest and most delicate cemetery work that has been awarded in Wheeling. It is for Louis Kuhn, Jr., of Wheeling, and the work, which will all be in pink Wesley granite, will be set up in the family burial plot in Stone Church cemetery, at Elm Grove, a suburb of Wheeling. The design for the work has been pronounced by leading sculptors to be one of the finest and most difficult that they have ever seen. All of the carving is being done at Claysville.

The George W. Johnson Limestone Co., Lowellville, Ohio, which operates a large plant and quarry at Erskline's Tipple, announce that they have started extensive improvements that will be completed this winter. The capacity of the quarries will be increased, and made more modern in every way possible, and the entire incline, tracks and tramways will be torn out, and in their places, a narrow gauge road will be laid, and dinky locomotives will be used to haul the cars. The crusher will be thoroughly overhauled, and material improvements made thereto, while the screening apparatus will also be modernized.

Charles Rhodes, of New Castle, Pa., has purchased a large tract of limestone property in the Portersville district, between this city and Pittsburg. The property was known as the Samuel Jonas property, and consists of 101 acres. It has never been developed, but being on the line of the new Allegheny and Western railroad, it will be opened up and developed next spring, when a modern crushing plant will be erected. At the beginning, the plant will turn out nothing but ballast, for which there is a great demand in the district.

W. H. R. Hoge, of Waynesburg, has the contract for stoning the long stretch of road to Five Mile Bridge, beyond Waynesburg. He is quarrying the stone from his properties in the vicinity of the work, and will complete it this winter.

Pittsburg glass manufacturers have secured a fine sand stone property just south of Niles, O., and will erect a large modern sandstone crushing plant in the immediate vicinity, from which they will supply the numerous glass factories in which they are interested.

The Adams Coal Co., Adams, Pa., has completed a large lime kiln at its mines at that place. The vein of coal that the company is operating is underlaid by a deep strata of limestone of excellent quality, and it must be taken up to make the necessary height for the main and lateral headings, so that the Adams Co. decided to make the manufacture of lime a by-product at the mine, as there is a good market in the vicinity.

The plant of the Carbon Limestone Co., at Carbon, a short distance from New Castle, Pa., was visited by a disastrous fire, which almost completely destroyed the long trestle that is used in loading the crushed limestone on the cars for shipment from the tramways. It is being repaired as rapidly as possible, as the plant will endeavor to run all winter, it having a large amount of business on the books.

It is understood that the Portage Entry Quarries Co. has sold its quarries at Port Wing, Wis., to a new company which will proceed to operate it next season.

The Pike-Horning Granite Co., of Minneapolis, has filed articles of incorporation with a capital stock of \$50,000.00. Incorporators are D. W. Horning, Minneapolis; N. C. Pike, Bertha E. Pike and Sarah J. Warman, Lake City, Minn.

NEW ORLEANS.

NEW ORLEANS, LA., December 1.—There is not a city or town in the United States where building operations are more active than in New Orleans. The city has burnished Aladdin's lamp until the old time structures are giving way to modern buildings, sky scrapers, and those less pretentious yet modern in every particular. Hotels, office buildings, residences, all are keeping pace with the electric age.

The new Denechaud Hotel is having the finishing touches added preparatory to opening to accommodate the mid-winter visitors in January. The building is fire-proof throughout and has been erected at a cost of approximately \$500,000.00. The plans were prepared by Toledano & Wogan, assisted by Rathbone DeBuys, associate architect. It is nine stories above a twelve foot basement. The ground plan is 57 by 220 feet with the 220 feet front on Baronne street and the 57 feet on Perdido Street.

The fourth, fifth, sixth and seventh floors on the Baronne street side have five bay windows giving fine views to the guests occupying these rooms. The style of architecture is modern renaissance. The two lower floors are of terra cotta and pressed brick. The frame is steel throughout from basement to roof with re-inforced concrete walls and floors, foundation and basement. It is an imposing structure on the exterior and the interior is no less attractive and beautiful. The lobby is an attractive affair 73 by 32 feet with marble floor and wainscoting nine feet high of Sienna marble. The ceiling and walls above the wainscoting are paneled.

Churches, too, and Masonic bodies, are improving their temples. St. Stephens church has had a steeple erected at a cost of \$20,000.00. It is a steel frame work structure with walls and pinnacles of red and buff terra cotta. The apex is 205 feet from the ground. St. Stephens is one of the largest Catholic churches in the city and the new steeple adds greatly to its beauty.

The First Baptist congregation has decided to erect a handsome and costly church, the contract for which will be let possibly this week. It will be 63 by 121 feet. The outside walls will be of Bedford, Ind., stone and St. Louis steel gray pressed brick and terra cotta with terra cotta tile roof. It will be one of those mammoth affairs with large auditorium, and Sunday school and class rooms, parlors where church meetings will be held and where the social affairs of the church will take place. There will be the inevitable kitchen too. The estimated cost has not been given out yet.

The Court House Commission is not yet ready to receive bids but will before long, now. The delay has been due to some hitch in the bond issue which in itself has saved the city several thousands of dollars.

The Ozone Suburban Co. has a big project on hand that will be developed the coming year. At Ozone, out across Lake Ponchartrain on the New Orleans & Northeastern road, is to be built a town that will be an innovation. The idea is to have summer residences for New Orleans people and winter houses for people from the North. The style of the town will be after that of California mission towns and will be beautiful in every detail. A \$50,000.00 hotel will be one of the first things erected. It will be a two story frame in the mission style of architecture. Twenty or more cottages, bungalows, will be built carrying out this same idea. MacKenzie, Goldstein & Biggs are the architects and all buildings erected there will be passed upon by them. There will be a central electric light and power plant and all the houses will be steam heated from this central plant. Each bungalow will cost approximately \$5,000.00. There will be a living room, dining room, kitchen and three bed rooms. The overhead ceilings will have the exposed beams and rafters either in hard, oil or stained, showing the beautiful grain of the wood. The walls will be either plastered or burlapped.

M. H. Goldstein, of MacKenzie, Goldstein & Biggs, architects, who is spending a year abroad with some of his old classmates of the Boston School of Technology is now in Italy on a sketching tour.

The contract has been let for the erection of a ten story office building on Baronne and Gravier streets. The promoters are the Baronne Improvement Co., and the contract was awarded to Carey

Bros. The estimated cost is \$225,000.00. The first two stories will be of stone and above that brick and terra cotta.

A number of New Orleans people were at the opening of the Hotel Hattiesburg at Hattiesburg, Miss., which has lately been completed. Thomas Sully, of this city, was the architect. He was the architect of the New St. Charles Hotel here and the Hotel Hattiesburg is almost a counterpart in size and appearance. It is built of red pressed brick and terra cotta and is of slow burning construction. The first floor has marble tiling and wainscoting.

The Schutten & Fallon Co.'s steam marble works has some good contracts on hand. Among others is the stone work for the Fabacher residence which is to be of Bowling Green limestone. It is to be a very elaborate building with much carving of the stone. The architects are Toledano & Wogan. The same company is furnishing the granite and marble for the Young Men's Hebrew Association building, Stone Brothers, architects. The base course and steps are of Quincy granite. Up to the water table it is limestone. The interior is as elegant and beautiful as Italian marble can make it. The large shower baths, 7 by 8 feet, are of marble, also the large swimming tank which is 20 by 60 feet.

The Ninth Street Market Bank, lately completed is of white Georgia marble with molded cap. The exterior is of granite and terra cotta.

In the matter of tombs and monuments, Schutten & Fallon Co. has several tombs that will cost from \$800.00 to \$1,000.00 each. These are of Georgia marble. They have a single roof top with three receiving vaults and the receptacle. This company has also erected a monument to the Woodmen of the World at McDonoughville. The shaft is ten feet high with a triple base of granite. The figure surmounting the shaft is that of a Woodman standing. It is of Italian marble. Around the monument is an enclosure with twelve posts in the shape of stumps. These are of white Georgia marble.

LOUISVILLE, KY.

LOUISVILLE, Ky., December 3.—This month marks the finish of one of the busiest years that Louisville has seen for both the stone men, and also the monumental dealers. Naturally, at the close of the year there is a lull, but most of the yards are busy in making preparations for stocking up to take care of spring trade, and altogether the business has a healthy aspect.

Edward Peter, of the Peter & Melcher Stone Works, Baxter Avenue and Broadway, reports business in both the monumental departments in a flourishing condition. They have just closed the contract for the cut stone work of the Highland Public Library and will commence work promptly. Oolitic limestone will be used on the entire exterior.

John Diebold & Sons, 1417 Sixteenth Street, are still working on the Caldwell residence, mention of which was made in last month's issue. They have also just secured the contract for the work of the Carnegie Library at Jackson, Miss. J. F. Barnes is general contractor and H. N. Austin, architect; both are of Jackson. The building will be 70 by 60 feet, of Bedford stone, and will have two immense Ionic columns, for the turning of which Messrs. Diebold have excellent facilities at their plant. This concern is modernly equipped in every respect, and while fairly busy, is still open for contracts, none of which can come too large.

One of the busiest yards in the city is the Peter & Burghard Stone Co., Fourteenth and Maple Streets. They report that they are full up in their cut stone, granite and marble departments. They have just completed the St. Paul's German Evangelical church and parsonage on Broadway, between Brook and Floyd Streets, using Bedford Indiana limestone. They will also do the work on the new residence of Mr. Thurston Ballard, of Glenview, Ky. This is to be a very fine cut stone job, using Bowling Green limestone, on which there will be a great deal of carving. Messrs. Kenneth McDonald and J. W. Dodd are the architects.

The interior marble work for the Commercial Bank and Trust Co., considered one of the finest pieces of interior work in the city, has also been awarded to this firm, who are working over-time now to finish the interior marble work on the Lincoln Savings Bank, which is progressing nicely.

The monumental department is rushed with orders and it will be some time after the first of the

year before cutting of stock will be commenced for the spring trade. A shortage of granite letters is the only complaint at this time.

Joseph H. Gernert, 640 East Jefferson Street, says that there is a decided lull in orders at this time, but he hopes during the course of the next month that business will open up. The season, however, has been a very good one with him.

Jos. H. Peter & Co., 925 East Broadway, through Mr. Wetstein, the local manager, advise that the December days seem to have had no effect whatever upon business; orders are plentiful and they have been lucky in getting stock. In fact, have no complaint to make in any line whatever.

December finds James Clark, of the James Clark Monument Co., 247 West Green Street, with plenty of orders on hand, but always in shape to take new business. He has just closed an order for two very fine monumental jobs to be erected in Cave Hill Cemetery.

The Blatz-Krebs Stone Co., at Fourteenth and Walnut Streets, is finishing up the various jobs referred to in last month's paper, and has no new jobs to mention. They are quite busy in taking care of the work already in hand.

IN THE WINDY CITY.

CHICAGO, ILL., December 3.—The month of November has seen a slump in all kinds of building work. Cut stone contractors and monumental men have practically finished the year's work which nearly every one in the trade says has been the most prosperous one of their business. The car famine is effecting the trade to the extent that if orders placed months ago, are not shipped within the next week or two they will be of no use until the spring, as few monumental dealers want to risk setting stones in winter. The cut stone men are finishing up buildings and but little new work is being started.

The marble people have some big jobs on hand and will probably be kept busy all winter, but as their work is mostly interior they will be little hampered by the weather. Several large buildings are rapidly nearing completion and spring will see them occupied.

The summary of the building department shows that there were 740 permits issued in November for constructions at a cost of \$4,561,300.00, against 830 permits issued the corresponding month last year at a cost of \$5,099,600.00. In the eleven months of this year there were issued 9,859 permits for buildings to cost \$61,138,680.00 against the eleven months of 1905, 7,889 permits for buildings that cost \$57,754,870.00. This shows a decided increase in this city alone. It is the consensus of opinion that there is a greater number of large buildings proposed for next year than there was this time last year.

Work on the new home of the Chicago Automobile Club has progressed so far as to cause the date of the laying of the corner stone to be fixed. The event will take place Sunday, December 9, with elaborate ceremonies. When completed it will be one of the finest club houses ever constructed. The garage will be sufficiently large to accommodate the cars of all members. It is expected the building will be completed and occupied by May 1, 1907.

The Arthur Koppel Co. has moved offices to 1639-41 Monadnock Block giving them much larger and more commodious offices than they formerly had. This move was made necessary by greatly increasing business in industrial railway materials. They will also carry in stock a complete line of their materials and have leased for a term of ten years property that they may have a warehouse here and be in position to immediately ship and fill orders taken by this office.

The panels of the statue on Campbell's Island, Moline, are being furnished by the Pike River Granite Co., of Amberg, Wis. This granite was selected on account of the contrast between the high polish and lettering. The panels which are three in number, are 4-6 by 7-6. The monument is being set by Welch & Mitchell, of Chicago.

The Milwaukee Monument Co. has made some important changes in the personnel of the concern. August Kringel, the secretary, has retired and Otto Rathmann, the president, who has been in charge of the Chicago end of the business, has left here for Milwaukee to assume charge of that office. Louis Rathmann, who has been connected with this office for some time past, will look after the company's interests in Chicago.

The Eclipse Stone Co., whose main office is in Chicago, has a mill at Ellettsville, Ind., and produces Bedford stone. They expect to add much new machinery and equipment to their plant.

IN THE NORTHWEST.

MINNEAPOLIS, MINN., November 26.—The building season is showing remarkably little diminution in view of the time of the year and of the condition of the weather, so far as building itself is concerned. There is a natural falling off of new work, and of work to be constructed at once, but on the other hand there are a number of new structures which are still in progress of construction, and are being completed this fall. There are also not a few buildings on which the first steps are being taken, the excavation and foundation work to be done before winter sets in. But residence construction is in stronger movement than might be expected. During the rush of the season there was too great a demand for workmen and residence building received a setback because of the stronger demand for the larger structures. Preparations for next season are active already, and several new structures will be started next season.

General conditions are good. The outlook for another season, or at least for the first half of it, has seldom been better than at this time. Prices generally show little change from a month ago.

The board of education will expend about \$155,000.00 in new buildings next season. They will include a six room building in northeast Minneapolis; and an eight room building in the neighborhood of the Tuttle school. There will also be a ten or twelve room building, for which the location is not yet entirely settled. Additions are planned to present structures. The contract will also be awarded for the construction of the superstructure of the new high school building at Twenty-eighth street and Hennepin avenue, for which the foundation is now going in.

Surveys have been under way for the new Armour Packing Co. plant in northeast Minneapolis, but it is improbable that any work will be started until spring. Plans under consideration are not entirely settled, both brick and re-inforced concrete construction being under consideration. The first cost of the plant will be about \$2,000,000.00 but it is expected to make extensions and additions which will bring the total cost up to \$6,000,000.00 or more when the entire system is completed.

The building committee of the Roman Catholic pro-cathedral for Minneapolis, has accepted plans for the proposed new structure to be erected opposite Loring Park, at Sixteenth street and Hennepin avenue. The estimated cost of the structure itself, is about \$750,000.00, but this seems likely to be increased to \$1,000,000.00. The site has been cleared, and it is probable that contracts will be awarded soon for the excavation work. E. L. Masqueray, of St. Paul, is the architect.

Thomas Hollanger received the general contract to erect the Martin flats at Franklin and Dupont avenues, South. There will be fifteen modern apartments to cost \$50,000.00. Work is under way. Lindstrom & Williams are the architects.

The Linden Hills Congregational Society will let the contract this fall for the foundation work for a new church to be erected in the spring.

The United States Furnace and Foundry Co., of Darlington, Pa., is reported to contemplate erecting a large plant in this city, to care for the Western trade.

It is reported that the Great Northern Railway is having plans prepared for the erection of a modern new union passenger station, on the site of the present building. The cost of the proposed structure is not known, but there is a strong movement under way to induce the establishment of a station into which all roads will run.

The General Electric Co. will erect a sub-station next spring to cost from \$100,000.00 to \$150,000.00.

R. J. Cheney & Co. received the general contract for the East Side police station, at \$11,265.00.

J. & W. A. Elliott received the general contract for a four story brick apartment building at Fourteenth street and Willow avenue, for Mrs. Norton, to cost \$21,000.00. It will be of Twin City pressed brick and Lake Superior sandstone.

The Washburn Co. has had plans prepared by Edwin H. Hewitt, architect, for a steel plant to be erected at Hiawatha avenue and Thirty-fourth street at a cost of \$250,000.00. The main building will be 300 by 900 feet in size, and the equipment will include traveling cranes and probably two twenty-ton furnaces.

The Meehan-Johnson Machine Co. contemplates

erecting shops in North Minneapolis, to cost \$40,000.00.

The Minneapolis General Electric Co. will erect a fire-proof storage warehouse on Main street and Third avenue Southeast, to cost \$40,000.00.

Gethsemane Episcopal Society is considering the erection of a parish house adjoining the church at Fourth avenue South and Ninth street.

Long & Long, architects, have completed plans for a handsome railway station to be erected at Aberdeen, S. D. It will be 70 by 100 feet, of brick, stone and terra cotta construction and will cost \$25,000.00.

C. F. Haglin received the general contract to erect B. B. Townsend's modern brick residence at 1800 Dupont avenue South. It will be of pressed brick and cut stone, and will cost \$13,000.00.

The Spencer Kellogg Co., of Buffalo, N. Y., will erect a linseed oil mill in Southeast Minneapolis in the vicinity of the other mills.

Downs & Eads, architects, have plans under way for a building to be erected on South Sixth Street for the Printers' Supply Co.

The Schurmeier Wagon Co., of St. Paul, will erect a wagon factory in this city, at Ninth street and Western avenue.

Pike & Cook received the general contract for the erection of the boiler shops for the Minneapolis, St. Paul & Sault Ste Marie R. R. Co. in Northeast Minneapolis at a cost of \$60,000.00. William M. Kenyon is architect.

THE WEST COAST.

San Francisco, Cal., November 22.—Building construction has increased at a rapid rate during the past month with continued fine weather. The building permits issued during the first half of November showed an increase over any previous month. The total for the first fifteen days of the month was 274 permits for buildings ranging above \$1,000.00 in cost, authorizing construction to the amount of \$3,418,000.00. Of the total value of the improvements authorized, about two-thirds was for brick, steel, stone and concrete construction. The permits issued for permanent buildings during the month of October, numbered 628 and total cost was placed at \$5,365,000.00; an increase of 103 permits and \$1,103,000.00 over the preceding month's record for the same class of structures.

Sufficient building stone is being quarried in California for the needs of the near future and if the building boom next summer develops vast proportions some of the quarries, such as the one from which Colusa sandstone comes, can increase their output greatly as they are practically inexhaustible. There are many quarries in Oregon and Washington that can be drawn upon in an emergency. In British Columbia there are quarries of fine stone from which the material was supplied for the erection of some of the older buildings in this city.

Work is to be commenced soon on the construction of the new army supply depot in San Francisco harbor at Fort Mason near foot of Van Ness avenue. It is proposed to spend \$1,500,000.00 in the construction of wharves, docks, warehouses, officers' quarters, etc. Rankin, Kellogg & Crane, of Philadelphia, have secured the general contract. Capt. F. B. Cheatham, U. S. A., has arrived from the East to assume the general supervision of the new work for the government. The Southern Pacific has surveyed an extension of its tracks into the military reservation for the purpose of delivering the materials needed for the work.

The cost of repairing the 18 story Claus Spreckels building at the corner of Third and Market streets, is estimated by Reid Bros. architects, at \$200,000.00. Nine contracts have been closed for the work of repairing the fire damage. Kyune sandstone, quarried near Ukiah, Cal., will be furnished by the McPhee Stone Co. for replacing the damaged portions of the walls. The original material was brought from a quarry in Oregon which is not in operation. The stone from Ukiah has about the same color and texture.

The walls of the great Parrott building, which was occupied by the Emporium department store at the time of the fire, are to be torn down at once and a new steel frame building erected on the site at a cost of \$1,000,000.00. The principal features of the old structure will be reproduced and there will also be an arcade with an approach from Market street.

Wells, Fargo & Co.'s six story steel frame and stone building at the corner of Second and Mission streets is to be repaired and two stories will be added. The plans are by Meyers & Ward. Gray Bros. have taken the contract to complete the work in seven months. The debris resulting from the fire has been removed from the interior and the work of reconstruction will be rushed. The stone walls and the steel frame do not show much damage. The cost of the improvements is estimated at \$250,000.00.

Final arrangements for rehabilitating the Mills building are being made by J. M. Robinson, of New York, who has superintended the construction of all of the buildings erected for D. O. Mills in New York. He recently arrived in San Francisco accompanied by five Eastern contractors who will submit figures on the stone, steel and other work necessary to restore the ten story marble and brick structure. It is probable that at least two-thirds of the material composing the walls will have to be removed. The expense of making the building as good as new will probably reach \$1,000,000.00. The walls of the first two stories are of marble which was badly spalled by the fire.

A fund of \$100,000.00 has been pledged by the American Jewish Committee in New York to assist in rebuilding the Jewish synagogues and educational buildings wrecked by the earthquake and fire in San Francisco.

Plans are to be prepared for a new stone building on the campus of University of California at Berkeley. The sum of \$100,000.00 has been donated by Mrs. Boalt for the erection of this structure for the use of the law department as a memorial to her husband, the late Judge Boalt, of San Francisco. The Hall of Law, as it is to be known, will be erected south of California Hall and on the same terrace with it.

The Trans-Atlantic Insurance Co. listed here as among the "welchers," has taken a new tack in defending itself against paying claims growing out of the San Francisco fire of April 18. This is shown in its answer to the suit of M. J. Hawley, assignee of the Vermont Marble Co.'s San Francisco house, for \$2,500.00. This concern carried about \$100,000.00 insurance with a number of companies. The Trans-Atlantic claims that its insurance form made it liable for the value of the buildings at the moment that the fire commenced, and that the earthquake had made the buildings worthless before the fire started. It also seeks to evade payment by alleging that fire in the neighborhood had greatly increased the risk, one of the terms of the policy voiding it if the fire risk is increased within the knowledge of the owner.

The Lutz Marble Co., of Los Angeles, Cal., has taken the contract for furnishing \$3,000.00 worth of marble for the new Bixby Hotel at Long Beach, Cal. B. B. Collons secured the contract for the mosaic flooring for \$3,150.00.

The Long Leach Asbestos Mining Co., which owns a mine of material seventy miles from Sacramento, will establish a plant at Long Beach, Cal., to manufacture the finished product. A site has been selected at West Long Beach on the Wilmington Boulevard for a factory costing \$12,000.00.

President Perrine, of the Colton Marble Co., of Colton, Cal., has visited the marble deposits located by H. L. Hewetson twelve miles northwest of Las Vegas, Nev. A force of men has commenced developing the quarry.

Al. McRae, A. C. Edson, D. J. White and E. Moore, residents of San Bernardino, Cal., are said to have discovered a large deposit of pure white marble of great value on the desert slope of Old Baldy, near San Bernardino. Negotiations are under way for the sale of a controlling interest to Los Angeles capitalists. A fine grade of cement rock is also reported as existing.

Jellison Bros., of Boise, Idaho, who own large marble beds on the Snake river near Huntington, contemplate developing these deposits soon. A modern quarrying plant will be installed. Machinery is to be operated by electric power generated by water from Rock Creek.

W. E. Lindsay, of Carson, Nev., is said to have located a large deposit of black and gold marble near Mina, Nev.

The Granite City Granite Co., of St. Cloud, Minn., recently bought the Gray granite quarries near that city, and will install new and modern equipment, and will operate the plant.

THE OOLITIC DISTRICT.

Close of the Quarrying Season Finds Every Operator in the Famous Indiana Limestone Full of Business.

BEDFORD, IND., December 4.—The continuation of good weather up to the first of December is an unusual thing, and every stone cutting shed in the district is taking advantage of the remaining bright days to forge ahead on its orders. The shipment out of the district for more than sixty days has been greatly restricted on account of the car shortage, which has prevailed in almost every section of the country, and probably the Bedford district has been more highly favored in this regard than many other localities, for the railroads realize that the stone industry is perhaps, the largest factor in their business, and they make special efforts to take care of it. The Indiana Southern has been especially accommodating to the quarry owners and stone cutting interests, and for that reason this road has probably received a much larger volume of business than in any year heretofore.

All of the cutting sheds have operated the entire season and some of them have been forced to over-time to keep up with the demand for stone at the constructing end. The best proof of this encouraging growth of the stone business is the large number of new mills that have been built this summer, and are now just getting into commission.

Out at John A. Rowe's they are busy with the construction of a new office. Mr. Rowe has long contemplated this move but, owing to the pressure of other matters has postponed it from time to time. The new office will have a commodious drafting room and will be located conveniently to all of his interests, which are now represented in three great mills. The new mill which was described in the last issue of *Rock Products* is now rapidly approaching completion, and as the traveler in this plant runs from the Monon to the Indiana Southern so that delivery can be made to either road right from the cutting floor, it will certainly be a winner. The machinery for this plant is now being placed in position and they will probably begin cutting stone before the first of January.

The George Dugan Cut Stone Co. is shipping the last cars of stone for the Kentucky State Capitol job at Frankfort, and with the close of the season are closing out that big contract. Arrangements have been made to have an illustration of the finished Kentucky State Capitol in an early issue of *Rock Products* and then the big mill will go to work on another job.

On this page is shown the great \$2,000,000.00 hotel which is known as the Sinton, recently completed at Cincinnati, Ohio, on which the George Dugan Cut Stone Co., had the contract for the oolitic limestone. This hotel stands upon the spot once occupied by Pike's Opera House at the corner of Fourth and Vine Streets, and the company which has put up the building is largely owned by the David Sinton estate. This hotel was designed by F. M. Andrews & Co., architects of Cincinnati, and it is a credit to its designer, and the contractors who have completed the work, and compares favorably with the Bellevue Stratford in Philadelphia, the Belmont in New York and the Seelbach in Louisville; for in every appointment it is as complete as is possible to be obtained with the expenditure of money upon rich materials and sumptuous modeling. One of the features of this hotel is the mantel in the writing room on the office floor, which is built of Caen stone imported from France, which is yet to be carved in a very elaborate manner.

The Furst Kerber Cut Stone Co.'s big mill has settled down to the winter stride. This is one of the plants that never shuts down on account of cold weather for the reason that it is heated with a hot air pipe arrangement which supplies a benign springtime atmosphere even in the coldest weather.

A stock of stone has been provided in the storage department at this plant which indicates that there will be the usual steady run all winter and the machines are now going just the same as if it was the merry month of June. The propitious weather has made it possible to bring in all the stone from the quarry that the storage capacity will accommodate, and a great supply is properly stacked out in Dark Hollow to be brought into the mill later on. Carl Furst has gotten back to



SINTON HOTEL, CINCINNATI, O.

his desk after enjoying a pleasant vacation upon the borders of Canada.

At the plant of William Bradley & Sons they are bringing the stone work for the Trinity Building in New York to a close, although the final shipments may not be made until spring. A large quantity of the stone for the Trinity job has already been shipped and is now stored in New York so that the cut stone contractors will certainly not cause any delay in the construction of that great building. At the New York end the construction of this building is being pushed apace and since it is located almost at the head of Wall Street, next to Trinity church, it is probably the most observed of all the structures now under way in the country, and there could be no better advertisement for Bedford stone than to let everybody in the nation know that it comes from the Indiana quarries.

At the George Doyle & Co.'s mill they are sawing away at the usual gait and the storage section of their yard is well supplied with stone from the old reliable quarry in Dark Hollow, and there seems to be no indication that anybody has ever given a thought to winter time, or a closing down of the active operations of the plant.

M. F. Curtis, of the firm of Brooks & Curtis, who is the secretary of the Local Stone Club, says there is no doubt about the steady growth in popularity of Indiana limestone. Every firm that is operating at Bedford at the present time has plenty of work and it is more a question of how they shall get stone past the machine, than get the business, for there is plenty of business that can be secured and some of it could be had at a better price if there were a harmonious effort on the part of everybody interested to get what the stone is really worth.

The Bedford Steam Stone Works is jogging along at the usual steady rate, with orders enough to keep all the men busy, and every machine going at its normal speed, and this is really the most profitable way in which to work a stone plant. While the quarry season proper is really closed, still a good deal of stone that is ready for shipment is being moved along to delivery.

The Consolidated Quarries have a good supply of splendid rough blocks, but Capt. Mackay, who presides at the Chicago office in the Monadnock Block, has a place for almost every one of them.

The P. M. & B. Co. have provided a big supply of mill blocks at their plant for such tremendous factors of the industry must be prepared to take care of a whole lot of business at all times. At the P. M. & B. quarries they have stripped a new section of the same fine rough quality that is everywhere recognized as the product of the P. M. & B.

The Bedford Quarries Co. is continuing its shipments up to the last minute, for the company has been fortunate in the volume of stone taken out this year and the great mill at Oolitic is working steadily on with a full force of hands with all the machines running to the limit of their capacity, and this means that a very great volume of stone work is being turned out every day.

The Imperial Stone Co., whose quarry is called the Old Blue Hole, has this season furnished the stone, through its New York agent, Arlando Marine, for the elegant residence of W. K. Vanderbilt, Jr., on Fifth Avenue, New York.

BLOOMINGTON.

BLOOMINGTON, IND., December 1.—A great deal of interest is being centered in the specifications for the new courthouse for Monroe County. At the recent election there was an effort made to defeat the County Commissioners who were in favor of constructing an elegant stone courthouse, in favor of those who wanted to be economical, or at least who appeared to be favoring a brick building. Now that the election is over there seems to be nobody in the county who is willing to consider anything except a fine sample of the native stone, for the stone operators of Monroe County declare that they produce more stone than is produced in Lawrence County.

There ever will be a jealousy between the stone men of Bloomington and those of Bedford, because nearly all of the quarry operations of Lawrence County are located north of Bedford, while in Monroe County fine stone can be secured almost anywhere, and some of the best of the quarries are located as far apart as the extreme north and the extreme south of the county, while all central portions have just as much good stone.

It is stated that the spot upon which the new courthouse is to be erected in Bloomington would make a very fine oolitic quarry, for the rocks certainly outcrop at several places in the courthouse yard.

It is a very strange thing that the courthouse in Bloomington was built from stone that was hauled on wagons many miles and the very track of these wagons passed over a number of quarries which are now producing much better stone than any that was used in the old courthouse.

The courthouse at Bedford is also a stone building and is now surrounded by offices of the stone interests located at Bedford, and yet very little, if any, of the stone used in its construction came from quarries located in Lawrence County, for at the time that courthouse was built there was no more than one quarry in operation.

The contract for the new Monroe County courthouse has not yet been let, but the opinion is that some one of the many well equipped and capable concerns of the county will have the job.

With the First National Bank Building almost completed, and with the Allen Building now under roof, both of which are fine sawed stone structures, which contain a good deal of mill work, Bloomington will like very much her part as the capital of the stone producing county, and this will be emphasized by the fine new courthouse.

A picture is shown of the traveler and part of the plant of the Bloomington Cut Stone Works, which is one of the new plants that was completed this year. This plant was equipped by the New Albany Machine Co., the well known dealers of stone working machinery, under the personal supervision of the general manager of the company, W. T. Blair. This plant is a model in every respect and has enjoyed a fine volume of business ever since the day the owners were ready to turn on the steam.

Mr. Blair is a prominent figure in the stone industry and has already begun operations for opening up a new quarry, of which he will be the general manager.

A little further down the tracks of the Monon road is located the plant of the Hoadley Stone Co. which is also a new mill, that was completed about the middle of the summer. This concern makes a specialty of turned work and an illustration of a number of column sections 5 feet in diameter by 10 feet long is shown. The picture



TRAVELER OF THE BLOOMINGTON CUT STONE WORKS.

was taken just as the section lay in the yards ready to be loaded upon the cars.

This company is rapidly completing an enclosed shed for the hand cutters to work in during the winter months, although up to the present time there has been no difficulty in working under the temporary shed that has been used for the last several months.

J. W. Hoadley, who is a born stone operator, if such a thing is possible, because he is the son of one of the pioneers of the industry, at least it is certain his father is the first man who ever applied the lathe for turning limestone columns, is a cut stone contractor with an expensive establishment at Champaign, Ill., besides his active operations as the general manager of the Hoadley Stone Co. This company has just completed the fine Auditorium Building for the University of Illinois at Champaign. The stone work upon this building is very rich and it has been executed in massive manner.

Fred Matthews, who drives the finest big red automobile, that ever sailed from Indianapolis to Bloomington, has quite recovered from the shock that he felt when the telegraph instrument made it look as if Hearst was going to be elected Governor of New York. Now Fred wanted every Democrat in the country elected except Hearst, and it looks as if the New York voters thought the same way, but it looked groggy about the time that the Little Stone Convention was held in the lobby of the Bowles Hotel to hear the election returns.

John Hunter says that he is pegging away and keeping all of his saws running out at his quarry located north of town. Mr. Hunter does a fine Eastern business and, while he is running six big gangs sawing out stone every day, insists that he is not doing as much as he would like to do. There is no telling how much John would like to do, for he is as full of energy as a boy who is about to cast his first vote, and knows what good stone is, and also knows how to saw it. He knows the requirements of his customers and keeps a steady string of work going out from his mills.

The Johnson Matthews Co. has closed active quarry operations, with a good supply of mill blocks on hand to take care of the business ahead of them, and they have closed a very prosperous year's business, with some good orders still on their books.

The Adamses have an unusual amount of business at the close of the season, and have had the same kind of a prosperous year that has gotten to be habitual with them.

Like other Bedford operations the consolidated quarries and mills are well supplied with stock, as well as orders to keep the machines running to accumulate work for the spring shipments.

After a comprehensive glance at the great district in Indiana that produces limestone for building purposes, there is but one opinion that can be formed and that is that the stone is steadily growing in popularity and the enterprising men who are pushing it to the front deserve a great deal of credit for the aggressive manner in which they keep both the quarry and the mill end running at such a steady stride.

There is only one criticism to be made, and that is that the stone is really sold more cheaply than such a quality of building material should be. Still, in bidding on the work it looks as if it invariably goes to the lowest bidder who can give a good and sufficient bond for the faithful completion of the contract. With so many diverse interests operating in competition, and all so close together, it does seem as if there should be an easy way to use the popularity of the stone to get more money for it, and a better profit for the operator, who invests his money, his genius and his highest endeavors to conduct a profitable business.

The Sylvan Beach Quarry Co., of Verona, N. Y., has been incorporated with a capital of \$50,000.00. The directors are N. L. Snow, Edward Zurn, Brooklyn, and Howard van Sinderer, New York.

G. H. Perry, East Sioux Falls, S. D., is installing new machinery, which will be operated by electricity and separate motors will be used. The capacity of this crushing plant will be doubled by the application of increased power and they are adding more mechanical devices to increase the volume of business for next year.

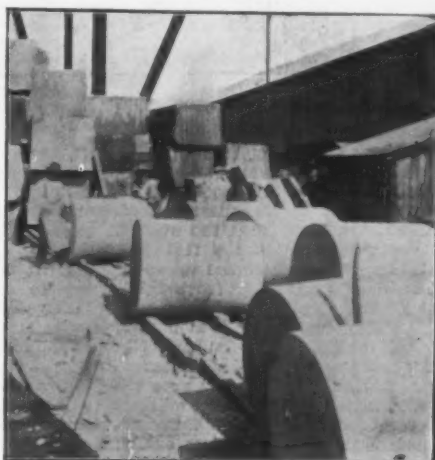
The magnificent lion head carved from Carthage stone which appeared in our last issue has caused no end of favorable comment. The head was carved in the cut stone yards of the N. E. Balle Cut Stone and Contracting Co., at Carthage, Mo.

In Operation Forty Years.

ROCKFORD, ILL., November 26.—The T. W. Carrico quarry and stone yard which is located at 1109 Kilburn Avenue, has been in operation for forty years and is the oldest in the city. The ground space of this quarry covers about fourteen acres, and there is produced an excellent quality of yellow and blue limestone. Compressed air is the power used in the quarry, four drills being used at present, each hammer striking about forty blows per second with a pressure of 80 to 100 pounds to the blow. Thomas W. Carrico is the owner of the quarry, but the active manager is his son, Fred K. Carrico, and he reports that the season has been a very busy one, with bright prospects for next year.

State Purchases Quarry.

BOISE CITY, IDAHO, November 27.—The Capitol Building Commission have just completed a purchase for the state of the Jellison stone quarries near Boise at a cost of \$20,000.00. When the state has used all the stone necessary for the building of the capitol it will still have a property worth as much if not more than the original purchase price, as the stone in this quarry is of excellent sandstone.



TURNING DEPARTMENT HOADLEY STONE CO.,
BLOOMINGTON, IND.

The Jellison Bros. located this quarry in 1892 and have worked it steadily ever since. Their entire holdings in that locality were 700 acres, 35 of which comprise the land just sold to the state. These quarries contain about all the gray cutting stone in Idaho, and the part of the quarry sold contains enough stone to build ten large cities. Jellison Bros. are about to develop a marble quarry which they own near Huntington, Oregon.

Will Build Tramway to Quarry.

PITTSFIELD, MASS., November 15.—A. B. Farnham is now arranging to have a tramway completed from the tracks of the Boston & Albany R. R. eastward about a third of a mile to a limestone quarry which he will open up shortly. W. H. Sherrell is now grading the roadbed for the completion of the work.

Buys Nashua Quarry.

NASHUA, N. H., November 23.—John Morrill, of Milford, has just purchased the granite quarry property of Merrill Bros., for \$1,200.00 and will at once resume the working of this land.

Will Open Jimmo Property.

BRISTOL, VT., November 20.—The Bristol Marble Co. has been formed to open the quarries on the Harry Jimmo place and will commence work early in 1907. P. M. Clifford and J. E. Clifford, of New York City, both practical marble men, will have charge of the operation.

The Virginia Quarrying Co., of Norfolk, Va., has been organized with a capital of \$20,000.00. The officers are C. R. Kelley, president; A. E. Krise, vice-president; Peter Wright, secretary-treasurer.

Quarry Superintendent Resigns.

WINNIPEG, MAN., November 26.—C. P. Kelpin, eight years connected with, and for five years superintendent of the city quarry, has resigned to accept a position with the Red Pine Lumber Co., of British Columbia. Operations began at the quarry last spring, which was purchased for \$50,000.00 and through Mr. Kelpin's management, the profits will be sufficient and perhaps more than sufficient to meet the cost of the property, and at the present time the quarry turns out as much material in a month as was the case during a whole season in the early years of its history.

Kutz Retires from Business.

READING, PA., November 20.—Sell D. Kutz, of Kutztown, who has been operating Hinterleiter's stone quarry midway between Kutztown and Tipton for many years, has retired from business, and the owners of the quarry, the Penn Limestone Co., of Reading, will continue the work. The quarry, which is the largest one in this section, has unlimited quantities of the best limestone for fluxing purposes in the state.

Quarry Closes for Season.

WESTERLY, R. I., November 21.—The quarry of E. S. Belden, of Hartford, which has been managed by Edward Maye, of this place, has just been closed down for the season. The quarry employs thirty men during the busy season and produces rip-rap, which is used by the firm in the construction of breakwaters in all parts of the country. Work will be resumed in the spring.

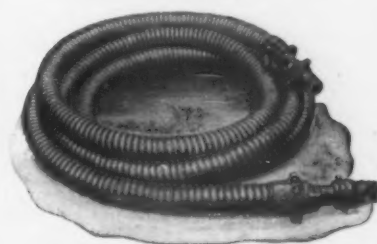
Will Greatly Extend Quarries.

BAY CITY, MICH., November 26.—Owing to the enormous amount of business done by the Monroe Stone Co. during the last six years, and especially during the past season, it will be obliged to extend its quarries next season. Preparations are now being made for a large amount of stripping to get ready for the regular quarrying in the spring months.

Sprague Electric Company

MANUFACTURERS OF

FLEXIBLE STEEL ARMORED HOSE



FOR STEAM OR COMPRESSED AIR

One of the largest quarry companies writes: "In all our experience we never have seen the equal of this armored hose."



When a piece of hose is damaged in one or two places, don't throw it away. Cut out the damaged part and unite the good pieces with our Splicing Clamp.

Write for a copy of Descriptive Bulletin No. 50541.

GENERAL OFFICES:

527-531 West 34th Street, NEW YORK.

CHICAGO OFFICE: Fisher Building.

CARTHAGE STONE.

Plants in Famous Missouri District Rushed with Orders and Are Working Night and Day.

CARTHAGE, Mo., November 28.—The Myers Stone Co. has one of the best and oldest quarries in Carthage. It is located at a station called Myers, on the Missouri Pacific R. R., about four miles southwest of Carthage. They have cut stone yards on Tenth, between Moffett and Sargeant Sts., in Joplin. The firm is composed of W. B. Myers, president, and Frank M. Myers, vice president and manager.

The equipment at the quarry is well adapted to their needs, and consists of two Lincoln Iron Works gangs, and one Crescent Iron Works gang. Power is furnished by two boilers aggregating 80 h. p. and a 65 h. p. Freeman engine. The quarry is equipped with Wardwell channelers, and they have two derricks 42 and 52 feet in height. This company has been busy and has some large jobs on hand. They are going to increase their equipment shortly. There is room for one more gang saw, and this will be installed some time during the winter season.

The Myers' quarry is noted for the remarkable quality of stone, which they have been able to secure, their ledges being not only easy to quarry but containing some of the clearest stone found in the district. Mr. Frank M. Meyers has charge of the quarry, and under his personal supervision they work about thirty-five men.

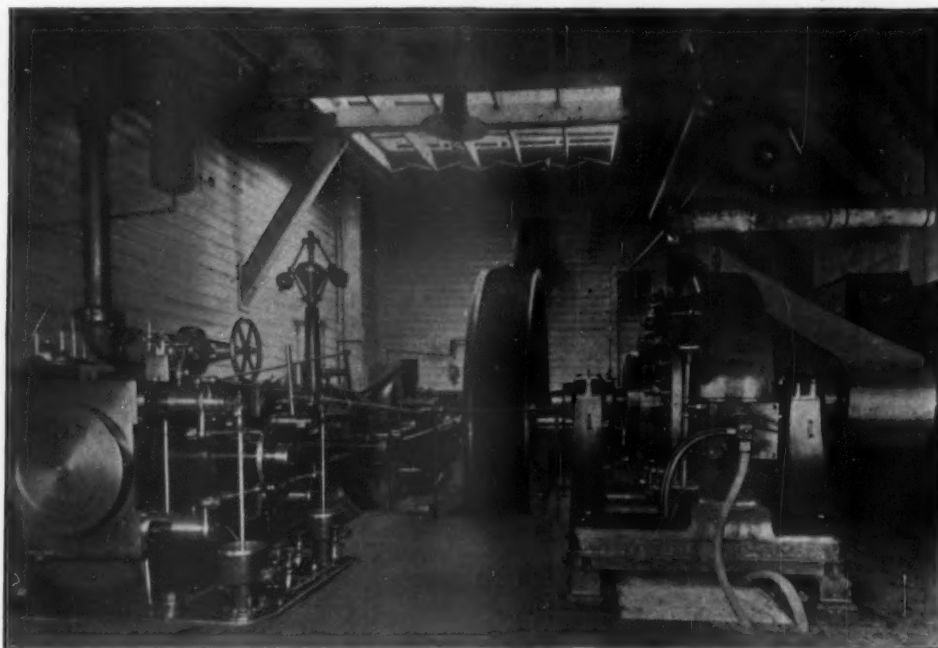
The Myers' Stone Co. has furnished the stone for some of the largest buildings in the West, notably the U. S. courthouse and postoffice building and the Carnegie Library Building at Joplin, Mo.; the Wood County courthouse, Alva, Oklahoma; New Woman's Building, Illinois State University, Champaign, Ill.; the Almeda Hotel and First National Bank Building, Bartlesville, I. T.

They are at present furnishing the stone for the courthouse at Nevada, Mo., which will cost \$80,000.00. It is to be built entirely of Carthage stone and will require six months in its erection. In addition to furnishing the stone for building purposes, they have also kept up a nice monumental trade and supply several large firms with all their stone for that purpose. W. B. Myers has charge of the cut stone yard at Joplin, which is well equipped with modern machinery, and where nearly all the finishing is done. Mr. Myers is one of the best salesmen in the entire Carthage district and is well and favorably known to the trade.

Have Most Modern Equipment.

The Carthage Superior Limestone Co. and the Carthage Crushed Limestone Co., operating as separate companies but with the same officers, have their quarries and crushed stone plant about one mile from Carthage. While this company is one of the last to enter the field their equipment is not only of the best but the most modern. They are continually making improvements, and R. M. Richter, president and general manager, is quick to take advantage of any new improvements in the way of machinery which are calculated to facilitate the handling of the product. The quarry is one of the largest in the district and the company is extremely busy, both with their cut stone business and their crusher.

Their plant is located on the Missouri Pacific, which has a switching connection with the Frisco. The power of their plant is furnished by a 300 h. p. Bates Corliss engine 18 x 42. The crusher is operated by a 125 k. w. generator. The hoist is operated by a separate 35 k. w. dynamo. They have a 100 light dynamo for illumination purposes. An Ingersoll-Rand 135 ft. capacity air compressor furnishes the air for the drills. They have two boilers aggregating 200 h. p., one of which is operated with natural gas and the other with coal. Natural gas sells in this district at 10 cents a 1,000 cubic feet, an dwheel used at a high pressure is found to be cheaper than coal. They also use a feed water heater for pumping hot water into the boilers. They are at present operating five gangs, two of them being double gangs. One of their gangs is one of the latest pattern steel frame, which saws a carload of stone every twenty-four hours. They, like nearly every other quarry in the district, use the Stout & Parke Machine



POWER PLANT OF CARTHAGE SUPERIOR LIMESTONE CO.

Co.'s sand feeds, having three of them in operation.

The quarry is equipped with five drills, three of them being of the well known Hardsocg Wonder Drill pattern and two being Ingersoll-Rand. A unique feature of the quarrying of stone at this quarry is the fact that the stone is taken from an elevation about twenty feet above the floor of the mill; the giant cranes are unable to lift the blocks, but drag them from the quarry to the edge of the elevation, where they are allowed to drop twenty feet. This does not injure the stone in the slightest and is found to be an economical method, as many of the immense blocks weigh more than sixty tons. However, this firm will shortly install a 40-ton traveling crane for the purpose of handling these immense blocks. This company has been operating steadily, both day and night, trying to keep pace with the immense volume of business, and while one of the newest companies to enter the field they have been busy from the outset.

Their crusher plant has a capacity of about 100 tons of coarse material a day, and about 75 tons of fine material. They have a jaw crusher and a swing hammer pulverizer, made by the Jeffrey Manufacturing Co., of Columbus, Ohio, which makes 1,200 revolutions a minute.

The output from the crusher is used for ballast, macadam, concrete aggregate, marble dust, limestone sand, fertilizer, paint and putty filler, flux, filters, roofing material, soap and polishing powder, and as an asphalt surfacer. The dust is gathered by a 50-inch American Blower Co. fan, which taps the various chutes and dust producing points by a powerful suction, conveying it in cylindrical tubes to large bins. This marble dust is a by-product of a by-product. It is practically an impalpable powder, its principal use being for a paint and putty filler. As a metal polish it has few superiors, for while it is an extremely hard substance it is so fine that it will not scratch. The officers of the Carthage Superior Limestone Co. are: R. M. Richter, president and general manager; George S. Belmdiek, treasurer, and C. H. Carter, superintendent.

Carthage Quarry Company.

The Carthage Quarry Co. is one of the oldest companies in this district, and in addition to their quarries operate a cut stone plant. The officers of the company are: Eugene O'Keefe, president; Martin A. McNeerney, manager, and J. E. O'Keefe, secretary and treasurer. They have a quarry face of 250 feet, which is all open. Their equipment is of the best and their plant is operated day and night, both summer and winter, as the frost has no effect on Carthage stone, it being well known as one of the non-absorbent building stones.

They operate two channelers, and have two 65-foot derricks of 30-ton capacity. They are at present operating five gangs, but expect to increase their equipment this fall. They work about forty men in the quarry, and about fifteen stone cutters

in the shed. They also have a force of stone cutters at Neosha.

Although this is one of the best equipped quarries in the district, they have decided to put in a new engine and boiler, an air compressor, a rip saw, planers and pneumatic tools. This will be done during the coming winter. The power for this new equipment will be furnished by a 125 h. p. Corliss engine.

Among the notable jobs which the Carthage Quarry Co. has erected recently, may be mentioned the St. Ann Catholic church, at St. Joseph, Mo., built entirely of Carthage stone, at a cost of \$100,000.00; The Hass Building at Neosha, Mo., a \$60,000.00 job, and the D. M. Dulaney Memorial, at Fulton, Mo., which is a \$30,000.00 job. Martin McNeerney is one of the most popular quarrymen in the district, and is well acquainted with Carthage stone. He says that it has no superior as a building material, and that its use is only restricted by the capacity of the quarries. The stone has life to it, such as is not found in other building stones. He says they are able to quarry Carthage stone in immense blocks, when it is required, and he showed Rock Products' correspondent a block 60 feet long, 8 feet high and 5 feet wide.

Takes Name from River.

Henry C. Johns is sole proprietor and manager of the Spring River Stone Co., whose quarry and mills are located about a mile and a half from Carthage on the Frisco system. The quarry takes its name from the river which runs along the side of the plant. This quarry has been running steadily, night and day, for the past year. They expect to increase their equipment shortly, one of the new things which they will add, being another channeler, which will give them three in all. Their quarry equipment is practically the same as that of the others in the same district.

They have 2,400-foot face, with about a 50-foot depth of stone. They burn natural gas in their boiler room and have two boilers of 100 and 75 h. p. respectively. Their engine was manufactured by the Frost Manufacturing Co., of Galesburg, Ill. and is called an automatic cutoff engine. They operate a blacksmith shop in connection with their mill, the power for which is furnished by a line shaft connecting with the engine room. They are at present operating four gangs and will install the fifth this winter. Two 60-foot derricks handle the immense blocks of stone, and in fact the equipment is one of the best in the district.

Among the notable jobs which the Spring River Stone Co. has finished, or has well under way, are the Bendelari Apartment Building, six stories in height, a Catholic church, the Mirers' Bank and the Cunningham Building, at Joplin, Mo. They are just beginning to furnish the stone for the Joplin Hotel, which will cost \$600,000.00, and which will be nine stories in height, the first two stories being entirely of Carthage stone, the remainder of the building being trimmed with it.

They have also furnished the stone for the 'Frisco depots at both Wichita and Ft. Smith, for the Bank of Aurora, at Aurora, Mo., for the Simmons Hardware Co. building at Wichita, and for the Carnegie Library at Decatur, Ill.

Carthage Building Stone Company.

The Carthage Building Stone Co. has a quarry and mill about one mile from the city, and owing to the immense size of their quarry and operations are able to furnish the largest orders with the least possible delay. They also have a cut stone department in connection with their quarry and mill, and are able to make estimates on cut stone ready to set in the building. The officers of the company are: A. H. Caffee, president; Geo. Allen, vice president; J. P. Newell, general manager, and Millard Bryan, secretary and treasurer. Their quarry is 300 feet in length and is composed of four ledges of about 7 feet each. They have a capacity of about two cars of sawed stone a day.

They are at present operating six gang saws, all above the standard in width, one of them being 17 feet in length. They have two Sullivan channelers and a travelling crane of 40-ton capacity, manufactured by New Albany Machine Works, which is the only one of its kind in the district. The entire plant has been operated both night and day for some time past, it being necessary frequently to operate the channelers twelve hours a day in order to keep the mill going. They are at present employing about forty men in the quarry and about ten men in the cut stone department. Their principal markets are St. Louis and Kansas City.

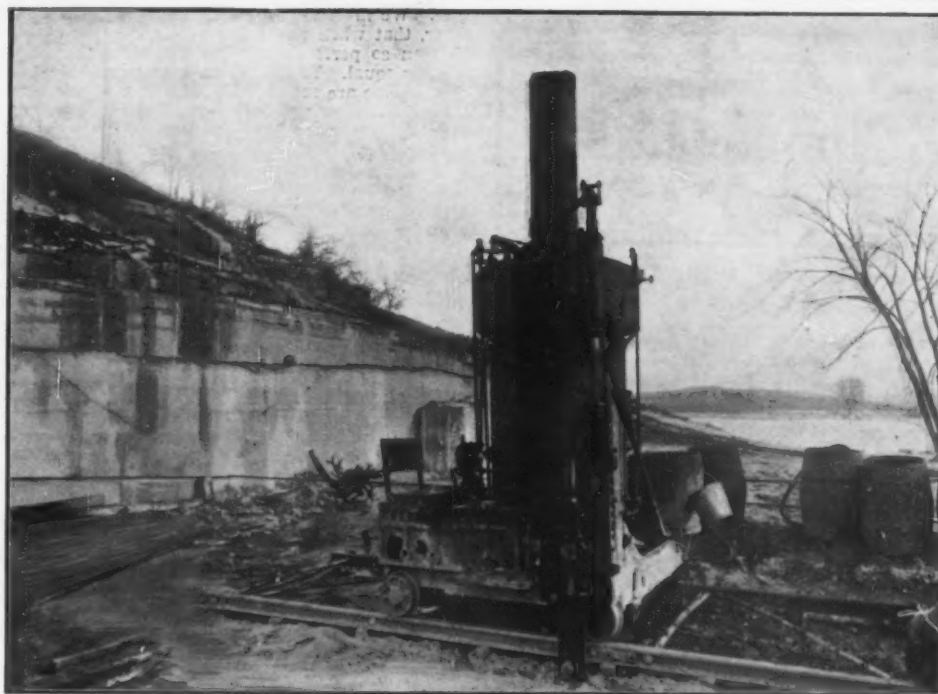
The plant is located on the 'Frisco System, about one mile from the city, with a switching arrangement with the Missouri Pacific. Millard Bryan, the secretary and treasurer, while one of the youngest operators in the entire district, has earned the reputation of being a very shrewd manager and an expert quarryman. He is also an exceptionally fine salesman, and is popular with the trade. While they are not at present furnishing the stone for any exceptionally large buildings, they have erected in the past some of the largest buildings in the West, and the reputation of their stone is second to none in the district.

PHENIX STONE AND LIME CO.

Quarry Used for Furnishing Lime Now Turns Out High Grade of Building Stone.

PHENIX, Mo., November 30.—Phenix is the home of the celebrated white limestone so popular as a building material all over the West. Quarries were first opened here in 1883, and the product was then used exclusively for the manufacture of lime. In 1886 the Phenix Stone and Lime Co. was organized and stone was then placed on the market for building purposes. The company is composed of C. R. Hunt, president and general manager; W. C. Scarritt, vice-president and E. H. Jones, secretary.

They have one of the largest quarries in the West and among the best equipped. They have at



SULLIVAN CHANNELER AT PLANT OF CARTHAGE SUPERIOR LESTONE CO.

present about 1,800 feet of face, with an average depth of 15 feet, which gives them practically an unlimited capacity. The stone is well known to Western contractors and builders and has been used in some of the largest and finest public buildings in St. Louis, Kansas City, Omaha and other Western cities.

The first job in which Phenix stone was used successfully was the building of the approach of the bridge at Memphis. Since then the business has grown to be so large that although the company has increased the capacity of the quarry several times they have still been unable to meet the demands. They are operating at the present time four channelers, two of them being Ingersoll-Rand and two Wardwells. They have five steam drills of the Ingersoll-Rand pattern. Their derrick is 65 feet high, with a 60 foot boom. They are operating at present seven gangs, six of them sawing blocks, 12 by 7, 6 by 7 and one that saws blocks 14-6 by 6 by 7-6.

They have a cut stone yard at the plant. This stone can be quarried in any dimension, the only limit being the capacity of the machinery to handle it. Blocks of immense size can be quarried without the slightest bit of trouble. The blocks are channeled 15 feet in depth, and then toppled over on the side and cut into smaller sections and sent into the saws. All the waste at these quarries goes into the making of lime, so that no stone is shipped unless it is absolutely clear. The

lime kilns have a capacity of 300 barrels daily. The entire plant is operated by electricity, which also furnishes light for the town of Phenix. The property consists of about 200 acres and the townsite containing about 60 houses and all owned by the company. During the past season they have shipped 150,000 cubic feet of stone from these quarries. This stone takes a very high polish and can be used for interior decorative purposes. Owing to the fact that blocks of any size can be quarried the stone lends itself admirably for buildings of magnitude. The main offices of the quarries are located in Kansas City, at 1901 Olive Street, where the local business is handled under the name of the Phenix Cut Stone Co. doing a general contracting and cut stone business. Only the sawed stock is shipped to this plant. This plant is equipped with all the modern appliances for finishing the stone ready to set in the building.

They have a 20 ton Pawling & Harnischfeger traveler with an auxiliary hoist of five tons. They operate two gang saws and have a complete equipment of rubbing beds, polishing machines and air tools. The entire plant is run by electricity and employs about 75 men. This company also maintains a cut stone yard at Springfield, Mo., in charge of E. J. Shelpman, known as the Phenix Contracting Co., and another in St. Louis, in charge of Rice C. Bailey. The general offices for the entire company are located in Kansas City at 1901 Olive Street.



PHENIX STONE AND LIME CO., PHENIX, MO., STEEL TRAVELING CRANE AND SCENE IN QUARRY.

Monuments.

The Monumental "Kike."

There is a class of wholesale clothing dealers in the East known as "Kikes." The interpretation of this word is "an unscrupulous, unreliable merchant as well as a man of many prices." Sad to say such a class exists among the monument men. The fellow who has no shop and only gives cutter work after he has landed an order, makes it hard for the man who is trying to treat the public fairly and causes the trade to lose confidence in the monument men, for in this line as well as all others, the multitudes are judged by the few, and the innocent suffer as much or more than the guilty. The substitution of stock must stop and rest assured that ROCK PRODUCTS will do all in its power to eliminate this evil. The retailer is not to blame at all times, as some quarrymen and wholesalers sometimes stoop to this practice. But this is no excuse for the retailer, for if he is a thorough monument man he will detect the trick at once, and will not have to wait until some friend of the purchaser who happens to be a judge of granite or marble, visits the cemetery and informs his friend that he has been deceived.

Another reason for the small dividends made on some jobs is that the dealer does not consider the small details connected with the work. He does not consider the wear and tear of tools, taxes, rent and the possibility of an accident and when the end of the year comes he owes a grocery bill and has no money to pay it. He should figure his time worth so much an hour and balance his books on every job. It he will do this a more consistent range of prices will be established and the trade will be benefited a hundred per cent.

Georgia Retail Marble Dealers' Meeting.

The Annual Meeting of the Georgia Retail Marble Dealers' Association will be held in Atlanta, Ga., January 4 and 5. The headquarters will be the Piedmont Hotel and every indication points to a large attendance and a successful meeting. J. B. Roberts, of Ball Ground, Ga., president of the association, says that he hopes for a full attendance and will correspond with retail marble dealers throughout Georgia asking them to attend. John F. Little, of Athens, Ga., will pay personal visits to the dealers, reminding them of the approaching meeting.

It is the duty of every retail dealer in Georgia to become a member of this association and to meet with his fellows once a year for the exchange of views for the benefit of the trade. No man ever knew so much that he could learn nothing more and it is certain that if he attends the Atlanta meeting he will find a wide awake lot of men, from whom he can gain many valuable hints as to conducting his business. Go to Atlanta in January. It is a fine city and your trip will be full both of pleasure and profit.

Iowa Meeting Next Month.

Attention of monument dealers is called to the announcement that the annual meeting of the Iowa Marble and Granite Dealers' Association will be held January 16 and 17, at the New Chicago House, Sioux City, Iowa. It is incumbent upon every member of the association and every dealer in Iowa who would like to become a member to attend this meeting. The following notice has been sent out by John Bogen, president of the association, and C. J. Field, secretary, of Creston, Iowa: "The annual meeting of the Iowa Marble and Granite Dealers' Association will be held at the New Chicago House, Sioux City, Iowa, January 16 and 17, 1927.

"It is earnestly hoped that every dealer in the State has had a prosperous year, and will feel that he is able and it is his duty to spend a few days with his fellow workmen, talking shop and busi-

ness. We must remember in our line, as in every other, that when the world was created God made no man so perfect but what somewhere on earth was his equal. You have ideas, and you have hobbies. Some are reasonable, some radical and some damnable. How can they better be united for mutual benefit to all in the monumental line than by getting together and exchanging these ideas?

"Your president feels that a number of important matters are coming up at this meeting, and needs the help of every dealer to solve them, and urges your attendance at this meeting.

"The Iowa Association wishes to extend an invitation to dealers of sister states to join with them in this meeting, feeling that they both will be benefited by their attendance, and the association will do the utmost to make their stay profitable.

"The Commercial Club of Sioux City is trying to secure special rates for this meeting, which you will be notified of later. Try to arrange your business not to conflict with January 16 and 17, and be in Sioux City."

Following is the program:

Wednesday, 1:30 p. m.—Address of Welcome—President John Bogen; Business Meeting; Committee Appointments.

Wednesday, 8 p. m.—Theater Party; Compliments Wholesale Trade.

Thursday, 9 a. m.—Visit to Packing Houses—Commercial Club escort.

Thursday, 1:30 p. m.—Business Meeting, Papers and General Discussion.

Thursday, 9 p. m.—Banquet, Compliments of President and Sioux City Dealers.

Prefers Small Jobs.

TROY, OHIO, November 15.—C. N. Briggs, proprietor of the Troy Marble and Granite Works, has a complete plant, although it is not large. It is equipped with the best modern machinery used. Mr. Briggs caters to the small purchaser as well as to the big fellows, and says he would rather have several small jobs than one large job, as they are more easily handled and the bills can be collected more easily. He expects to enlarge his plant in the spring, build a new shop and put in a traveling crane.

Contributions Coming in Slowly.

MILWAUKEE, WIS., November 21.—E. R. Stillman, treasurer of the Milwaukee Monument Association, reports that he has \$2,993.75 in hand toward the fund for the erection of the soldier's monument. Work is progressing steadily in the procuring of contributions and the association expects to have sufficient funds in hand for the purpose within a short time.

A Nice Display.

The Pioneer Granite Co., located at 837 5th street, Cincinnati, Ohio, have one of the most complete displays of granite to be seen anywhere. They have thirty-five fine jobs on the floor with two or three duplicates of each stone in reserve. One of the nice jobs put up recently was the Kahn monument shown in this issue. Polished Quincy granite was used for base, size 9x5 feet and the monument is pink Westerly granite.



MONUMENT DESIGNED BY PIONEER GRANITE COMPANY, CINCINNATI, O. PINK WESTERLY GRANITE WITH POLISHED QUINCY GRANITE BASE.

The Kellogg Marble Co.

CARTHAGE, Mo., November 16.—The Kellogg Marble Co., is among the largest manufacturers and dealers in monuments here and has recently enlarged its plant and moved into larger and more commodious quarters. They have installed a complete pneumatic tool plant furnished by Foster & Hosler, of Chicago, consisting of an air compressor and eight Kotten tools. They manufacture Carthage stone monuments and also the leading American granite. They secure all of their Carthage stone from the Myers Stone Co.'s quarry. The Kellogg Marble Co. has achieved wonderful results with the Carthage stone which lends itself admirably to monumental work both in the polished and rough surfaces. They sell quite a number of rustic jobs in Carthage which are handsome. Their business has increased wonderfully the past season.

Designs Original Monuments.

KANSAS CITY, Mo., December 1.—M. H. Rice has his show rooms and factory at 1229 to 1231 Main Street in the heart of the retail district. He makes a specialty of large monuments, mausoleums and statuary and employs a regular force of artists who design new work. His store room is filled with statuary and original designs in the leading granites. His factory is equipped with the latest tools and he employs a large force of skilled workmen. He caters only to the very best trade and has erected some very large monuments during the past season. He is one of the oldest dealers in Kansas City and enjoys a large trade.

Building a New Plant.

EAU CLAIRE, WIS., November 20.—C. J. Crosby, proprietor of the Crosby Granite Co., of La Crosse, is putting up a concrete building at 424 Wisconsin Street, in which he will conduct a first class granite monument establishment. The Losey arch, which is a beautiful piece of work, standing at the entrance to the cemetery at La Crosse, is a product of Mr. Crosby's work, and with the skilled workmen employed at the Crosby establishment the very best grade of all work is assured.

Will Have Pneumatic System.

IOLA, KAN., November 23.—J. C. Coffield, proprietor of the Vermont Granite and Marble Works at 409 and 411 West Street, says that his business has grown to such an extent that he is going to install a complete pneumatic tool equipment soon. He has a carefully selected stock of granite and marble monuments and thoroughly understands the business. Iola has been prosperous and the people are buying much better stock than formerly.

Barre Granite Popular.

ST. LOUIS, Mo., November 17.—Charles L. Meyer, who has a monument shop at 2023 South Broadway, carries a well selected stock, mostly of Barre and Quincy with a few Georgia marble monuments. He says that St. Louis people prefer Barre and that it is almost impossible to sell anything else. He buys all of his stock finished and does his own lettering. His past season's business has been exceptionally good and he says that the tendency is toward more expensive monuments.

New North Carolina Concern.

WASHINGTON, N. C., November 19.—One of the latest additions to this city's prosperous concerns is that of J. H. Simmons, who has just opened up an extensive marble yard, which is complete in all its details. Mr. Simmons has recently moved to Washington from Elizabeth City, and has orders already booked for a great deal of business.

Buys Kingston Business.

KINGSTON, N. Y., November 29.—The marble and granite business of Fred P. Luther on Broadway, has been purchased by Seccombe Bros., of Ansonia, Conn. The new concern has taken possession of the plant, with Harry Seccombe in charge at this end.

Has Built Handsome Mausoleum.

OMAHA, NEB., December 1.—Eugene F. Rutherford, one of the leading monument dealers of Omaha, has his shop at 2304 Cumming Street. Mr. Rutherford says that business has been good; in fact, he has been so busy that he has been unable to go out and solicit any business. He says that all of his trade has come to him as he is well known in the neighborhood, having been located here since 1885. He has always contended for a good clean class of work and has built up his reputation by these methods. Mr. Rutherford had some very handsome jobs in a gray granite which comes from the Pike River Granite Co., at Amberg, Wis. He built a public mausoleum for the Cemetery Association in Forest Lawn Cemetery out of concrete, granite and slate. The front is of St. Cloud granite and the balance is all concrete except two I beams of steel 48 feet long by 12. The mausoleum is built in the side of a hill and only the front, which is 48 feet across with the wings, can be seen. The building is 60 feet in depth and contains room for ninety-six coffins. The back wall of the mausoleum is 20 inches in thickness and the side wall is 16 inches. The partitions on the interior are of slate, there being \$1,000.00 worth of slate used in all. This mausoleum, while it was not built as a money-making proposition, has paid 12 per cent on the amount of money invested, it having cost \$10,000.00. Mr. Rutherford has made a contract with the cemetery association to erect a \$1,000.00 addition to be built of white Georgia marble. He also contemplates building still further additions for a crematory and chapel.

Learned His Trade in Germany.

TOPEKA, KAN., November 21.—M. H. Schroeder, one of the leading monument dealers here, has his office and warerooms at 228 and 231 Jefferson Street. He says the past season has been a prosperous one with him as he has sold and set up some large monuments. Mr. Schroeder carries a good stock of the leading granites and a few marble monuments. He learned his trade in Hamburg, Germany, and says that they are more thorough over there than here. He can model and design any style of monument and carve statuary. This he says is part of the business and every monument man is expected to learn it. Speaking of the differences between monuments in Europe and in this country he said that over there one of the commonest methods of lettering was in gold which was put on in such a lasting manner that it remained for ten or twelve years. He says the black granite monuments with gold letters were not only striking but very beautiful.

Sells Many Handsome Jobs.

KANSAS CITY, MO., December 1.—H. E. Barker, one of the leading monument dealers whose works and show rooms are located at Fifteenth and McGee Streets, says that his past season's business has been large and that many of the designs which he sold were large and costly. He said the tendency was to more expensive work, in fact price was no consideration apparently as he has sold more fine jobs than ever before. Mr. Barker is one of the dealers that believes in a fine display and his showrooms are always filled with the highest grade stock selected with that discrimination and good judgment which is a component in a successful monument dealer. All of the leading American granites are shown as well as the imported granites. Mr. Barker has a well equipped plant in which he manufactures a great many original designs. He does not confine himself to a local trade but sells monuments all over the country.

Only Shop in Lawrence.

LAWRENCE, KAN., November 26.—The Douglas County Marble and Granite Works, composed of N. Bayse and J. T. Allen, have the only shop in Lawrence. Their business has increased wonderfully during the last year and their trade is extending. They carry a carefully selected stock of all the leading granites and Georgia marble. They have recently placed an order for a monument out of North Carolina blue pearl as there is considerable demand for dark stock in this territory. Mr. Bayse says that the outlook is exceptionally bright for a large spring trade as the farmers are all prosperous.



LAFAYETTE'S TOMB IN PARIS.

Lafayette's Tomb in Paris.

One of the spots in Paris that is seldom visited by tourists but yet has great interest for Americans is the tomb of Lafayette in the outskirts of the great city. The famous Marquis lies buried in a corner of a bare gravel-strewn cemetery near the home of the "White Nuns." One double slab of white marble marks the resting place of the friend of George Washington. Another slab stands erect on one side. By the grave itself there is a large American flag. Appropriate inscriptions are engraved on the tomb, a picture of which is here shown.

Collections Have Been Good.

Retail granite and marble monument dealers in the Northwest are lappy. They will have real cause for celebrating the holiday season. Reports from Minnesota, the Dakotas and other states in the Great Northwest say that the retail men have all had a big business and are looking forward to a much larger year in 1907. Business with them has been phenomenal. But the most pleasing feature of trade conditions in that part of the country is that collections are better than ever before. Not only have they been "delivering the goods" to their customers but their customers have been "delivering the goods" to them. Salesmen who have just returned from trips through the Northwest say that the dealers show their appreciation of the season's enormous business and their faith in the continued prosperity of the industry by placing large orders for stock in 1907. This is a hopeful sign, for the sooner dealers in all lines realize that the prosperity of 1906 has not been abnormal but part of a general movement the better will they be able to meet the demands of their trade in the coming year.

Wants an Outside Man.

FT. SCOTT, KAN., December 3.—The Ft. Scott Marble and Granite Works have one of the largest and best equipped monumental plants in this section of the country. They use pneumatic tools and do most of their own cutting. They carry an immense stock which is beautifully selected, and have several traveling salesmen. James A. Moulton, the proprietor, says that business is rather slow at the present time, and that he is badly in need of an outside man or two.

Monuments for Honduras.

STEELING, ILL., November 22.—The business of W. J. Moore, while increasing steadily, is not confined to local work by any means, as evidenced by a contract he has just received for a large number of monuments for shipment to Honduras, Central America. Mr. Moore has received a number of inquiries from that section of the country and each year he sends monuments to Central America. The order just received in the largest he has ever sent to a foreign country.

Omaha Monument Dealers.

OMAHA, NEB., December 1.—J. F. Bloom & Co. carry one of the largest stocks of granite monuments in the West. Their office and show rooms are at 1815-1817 Farnam Street. They are agents for the Montello granite for Omaha and several counties in Nebraska and Kansas. They do a great deal of their carving and lettering and have a compressed air plant operating three tools. Mr. Bloom has a sample of white and green variegated marble very much like an onyx. It is capable of a very high polish and should find a ready sale for interior decorative purposes. The green is rather light and shades into the white. This quarry is located at Spokane, Wash., and is called the Canon Green marble. The C. E. Mitchell Co., of that city, expects to open up this quarry in the spring. They have already placed the order for machinery and expect to be able to put this marble on the market before long. Mr. Bloom is enthusiastic over the prospects and is a stockholder in the company which controls the quarry.

The Great Western Granite Co., manufacture monuments and markers at 902-906 South 16th Street. They do an excellent wholesale business and while they have been in business only two years they have built up a nice trade. They completely re-organized their business on November 2 and new officers were elected, consisting of Charles D. Birkett, president; D. E. Chapin secretary and treasurer; James A. Hamilton, manager of the sales department and the manufacturing end. They are going to put in some new equipment and increase the capacity of the plant. One of the additions will be a large air compressor to supplant the one they now have. They expect to operate twenty-five tools in all, nearly all of them being of the Oldham and Dallett pattern. They already have two polishers but they are going to put in a new one of the Patch make. Mr. Hamilton says they are also going to install a 15 ton traveling crane and a baby Oldham surfacer.

Harrison Supply Co.

NATHAN C. HARRISON, General Agent.

34 India Wharf,

Boston, Mass.

Chilled Steel Shot.

The Oldest in the World, Not the Cheapest, but Positively the Best.

Importers, Wholesale and Retail Dealers in Granite and Marble Polishers' Supplies of Every Description.



**PNEUMATIC POLISHING MACHINERY.
PERFECTION POLISHING MACHINES.
MARBLE CITY POLISHING MACHINES.
ELECTRICAL POLISHING MACHINERY.
GARDNER PATENT POLISHING WHEEL**

will positively polish 75 feet of marble per hour direct from rubbing bed.

Write for Price List.

All goods Guaranteed.

Want Larger Appropriation.

SYRACUSE, N. Y., November 20.—The committee for the erection of the soldier's and sailor's monument, has made a request to the Board of Supervisors asking that the appropriation be increased from \$50,000.00 to \$76,500.00. The cost of the monument, it is said, will be \$75,000.00, and in addition there will be two supports for the equestrian statues which are not to be placed. These latter statues would cost about \$45,000.00. Matters are being held for the decision of architect C. H. Blackall, who is associated with sculptor C. E. Dallin, whose design for the monument has been accepted.

Memorial to Robert Fulton.

NEW YORK, November 23.—Plans for the erection of a \$600,000.00 monument to the memory of Robert Fulton have just been formulated by the Fulton Memorial Association. The monument which will be from a design by Leopold Bracony, will be erected on the bank of the Hudson river on which majestically stream Fulton's steamboat "Claremont" first plied. Cornelius Vanderbilt, Jr., is president of the memorial association; Richard Delafield, treasurer; Samuel L. Clemens, (Mark Twain) first vice-president; Hugh Gordon Miller, second vice-president; W. H. Fletcher, secretary.

Want Soldier's Monument for Vincennes.

VINCENNES, IND., November 24.—J. T. Simpson, Jere Jersey and Mart Johnson comprise a committee having in charge the collection of funds for the erection of a soldier's monument in Harrison Park. The city has already donated \$1,000.00 to the good cause and with the additional help that will be secured from the members of the G. A. R. a sum to erect a suitable monument will no doubt be speedily secured.

Confederate Monument for St. Louis.

ST. LOUIS, Mo., November 21.—Five thousand dollars toward a fund for a monument to the Confederacy which will require an outlay of some \$50,000.00 has already been subscribed. Captain Robert McCulloch and Samuel M. Kennard, a special committee appointed by the St. Louis Confederate Monument Association, have selected a site in Forest Park, toward the eastern part and near the King's highway.

Heavy Trade in Duluth.

DULUTH, MINN., November 26.—The Twin City Granite Works, of St. Paul, has just placed three car loads of granite monuments in Duluth cemeteries. Among them is an eighteen foot shaft for the E. J. Barker lot and a very handsome three-piece monument with an eight-foot base for the late Walter M. Jeffrey. B. T. Greene, manager of this company's Duluth office, reports a very large trade this season.

Propose Monument to Seward.

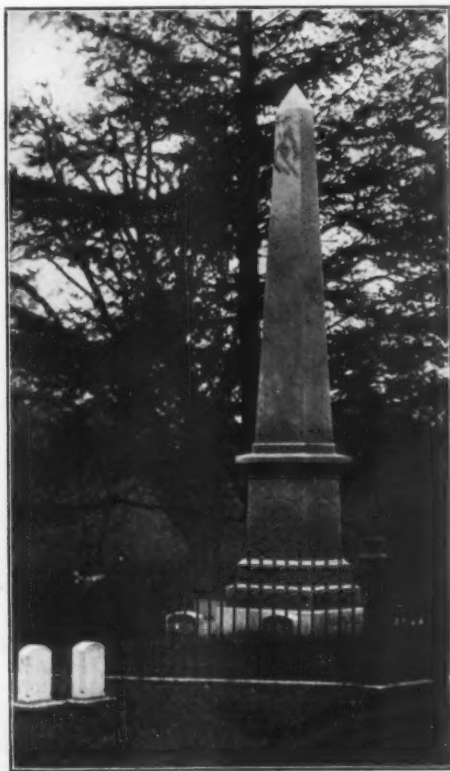
SEATTLE, WASH., November 26.—A movement is under way here to erect a monument to the memory of William Henry Seward, Secretary of War under President Lincoln, by whom was negotiated the treaty with Russia whereby Alaska was added to the dominion of the United States. It is proposed to erect a monument in the heart of the city to be unveiled the day the Alaska-Yukon Pacific Exposition is opened in 1909.

Has Fled to Himself.

MONROE, WIS., November 22.—D. C. Ryan, manager of the Monroe Marble and Granite Works, has the field in this town practically to himself and has built up a steady and thriving business. He reports that his trade has been good this fall and that he has a large stock from which selections for monuments can be made.

Want Monument to First Governor.

WATERTOWN, S. D., November 26.—A movement is under way here to raise a fund for the erection of a monument to Arthur C. Mellette, the first governor of South Dakota. An appropriation will be sought from the legislature by Freeman Thayer Post, G. A. R.



MONUMENT TO PRESIDENT FILLMORE IN CEMETERY AT BUFFALO, N. Y.

Monument to President Fillmore.

BUFFALO, N. Y., November 28.—Hundreds of visitors to Buffalo go to Forest Lawn Cemetery to view the monument erected in memory of Millard Fillmore, once president of the United States. A picture of the shaft appears herewith. An indication that the public has a tendency to forget great men is shown in the fact that while on every Decoration Day the graves of veterans buried in this cemetery are piled high with flowers, hardly a single tribute is placed before the Fillmore shaft. The monument was erected by John Crawford & Sons and the marble was imported from Scotland.

Seattle Monument to Pioneers.

SEATTLE, WASH., November 22.—E. F. Blaine, on behalf of the park commissioners, has been authorized by a prominent citizen of Seattle to spend \$65,000.00 to \$75,000.00 for a monument to the pioneers of the city to be erected at Pioneer place. The donor of this amount desires his name withheld for the time present.



WORKS OF H. J. KNIFE, DEALER IN MARBLE, GRANITE AND STATUARY, COLUMBIA, PA.

Want Proposals for Monument.

MT. VERNON, IND., November 23.—The County Commissioners of Posey county have advertised for sealed proposals for the erection of a sailor's and soldier's monument to be erected on the court house grounds, proposals to be received until January 9, 1907. The entire monument is to cost no more than \$15,000.00. Bidders are required to place on exhibition in the auditor's office on or before December 31, 1906, sketches, drawings, models and designs of the monuments and file complete plans and specifications for the construction of the memorial.

Soldier's Monument for Cemetery.

DEVIL'S LAKE, N. D., November 20.—Peter Haley has just about completed the raising of \$1,400.00 for soldier's monument to be erected in the cemetery in this city. It will consist of a substantial base about twelve feet high, on which will stand a soldier, life size, carrying his accoutrements of war. H. E. Baird has donated a strip of land to be used for the soldier's cemetery on which the monument will be erected.

Will Install Pneumatic System.

COLUMBIA, PA., November 21.—H. J. Knipe, proprietor of the largest monument works in Columbia, has just returned from a trip to Vermont, where he purchased his spring stock. During his visit he inspected many of the largest plants and so well pleased was he with the pneumatic tool systems that he saw that he has decided to install a system in his own plant. A picture of Mr. Knipe's yard is shown on this page.

Will Remember Gen. Beauregard.

NEW ORLEANS, LA., November 15.—More than \$15,000.00 has already been subscribed for the proposed monument to General G. T. Beauregard, Louisiana's famous Confederate leader. The movement is in charge of the Beauregard Monument Association and New Orleans Chapter, No. 72, United Daughters of the Confederacy.

Monument to Edgar Allan Poe.

RICHMOND, VA., November 29.—The city council has appropriated \$5,000.00 to the order of the Poe Memorial Association, with the proviso that the association shall raise an additional \$5,000.00 for the erection of a monument to Edgar Allan Poe. Mr. H. R. Pollard, Jr. is sub-chairman of the finance committee.

Appropriation for Monument Voted.

PENN YAN, N. Y., November 7.—The proposition to appropriate \$3,000.00 for soldier's monument for Yates county, submitted to the voters at the election yesterday, carried by a majority of 1,699.

INDIANA OOLITIC LIMESTONE



ST. PAUL'S GERMAN EVANGELICAL CHURCH.

In its issue of November 5 Rock Products presented a picture of the beautiful Temple Adath Israel, Louisville, Ky., a building in which Indiana Oolitic Limestone was used with splendid effect. This month a picture of another church in which the same material has been used, the St. Paul's German Evangelical Church, on Broadway, between Brook and Floyd streets, Louisville, Ky., is presented. The style of architecture is radically different from that of the handsome Temple Adath Israel but is none the less attractive and imposing, showing the wide range in which Indiana Limestone may be used with effect.

This building is being erected at a cost of \$55,000.00. A parsonage, in which the same material is used, adjoins the church on the right but the stone work on it is not fully complete. The stone work on the church was in the hands of the Peter & Burghard Stone Co., of Louisville, Ky. The stone came from the quarries of the Bedford Quarries Co., at Oolitic, near Bedford, Ind. The graceful Gothic lines of the building were drawn by Clarke & Loomis, architects, of Louisville, Ky.

Tell 'em you saw it in ROCK PRODUCTS.

PERRY- MATHEWS- BUSKIRK STONE COMPANY.

GENERAL OFFICES:
320 Monadnock Block, CHICAGO.

Quarries and Mills:
BEDFORD, IND.

NEW YORK OFFICE, Fuller Building.

BOSTON OFFICE, 45 Milk Street.

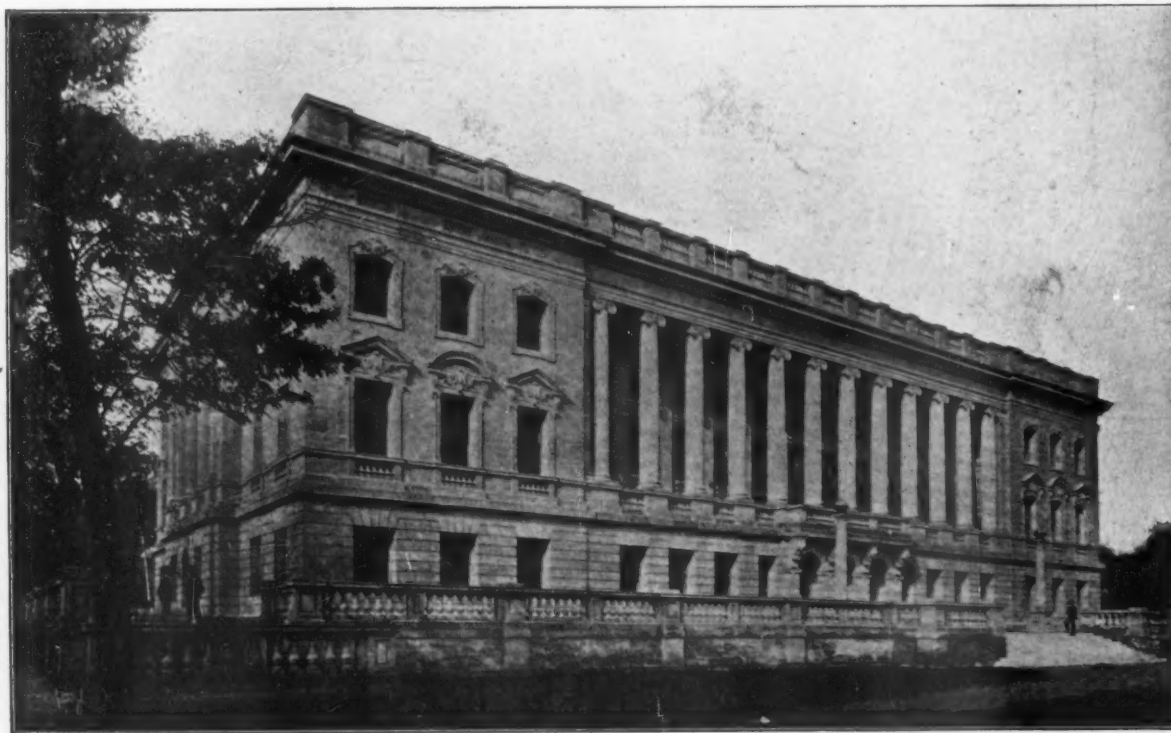
PHILADELPHIA OFFICE, Witherspoon Building.

CLEVELAND OFFICE, Hickox Building.



CUT STONE CONTRACTOR, JAMES A. McDONIGLE, LEAVENWORTH, KANSAS.

The Consolidated Stone Co.,



**DARK HOLLOW
QUARRIES,**

**Bedford,
Lawrence Co.,
Indiana.**

Producers of the
Celebrated
Dark Hollow Buff and
Blue Bedford, Indiana
Limestone. Their
large mills are equip-
ped with the most
modern machinery,
capable of filling
promptly the largest
orders for SAWED
STONE—every de-
scription of planed
molding—Balusters
and turned columns
and bases of all
descriptions.

GENERAL OFFICES:
322-324
Monadnock Block,
CHICAGO.

NEW YORK OFFICE, 1123 Broadway.

PHILADELPHIA, 730 Witherspoon Building.

BOSTON, 45 Milk Street

Tell 'em you saw it in ROCK PRODUCTS.



BIRDSEYE VIEW OF QUARRIES AND MILLS, PART VIEW OF PLANT.

THE BEDFORD QUARRIES CO.,

CELEBRATED

HOOSIER QUARRY

CHICAGO OFFICE,
204 Dearborn Street.

NEW YORK OFFICE
949 Broadway.

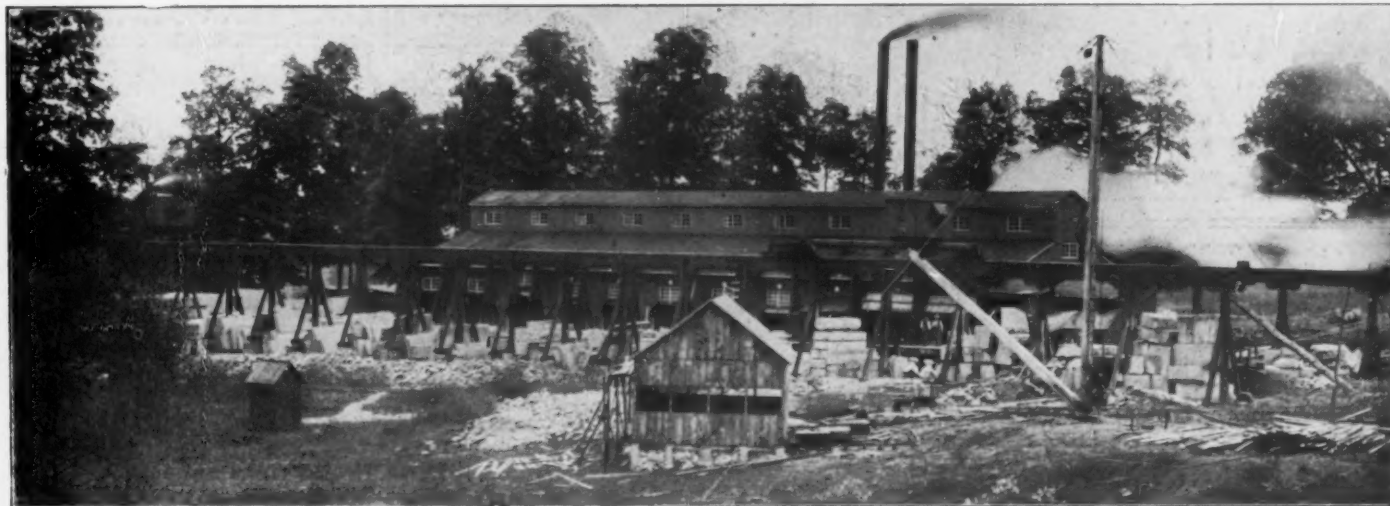
CLEVELAND OFFICE,
818 Euclid Avenue,

Quarries and Mills,
BEDFORD, IND.

W. McMILLAN & SON

INCORPORATED.

Bedford Indiana Limestone
MILL BLOCKS, SAWED, PLANED, TURNED



CHICAGO MILL:
642-654 So. Rockwell St.

GENERAL OFFICE:
Chamber of Commerce Building
CHICAGO, ILL.

QUARRIES AND MILLS:
Bedford, Ind.
Bloomington, Ind.

Tell 'em you saw it in ROCK PRODUCTS.

LEADING PRODUCERS OF BEDFORD OOLITIC LIMESTONE.

We are producers of Buff and Blue

AUDITORIUM HOTEL AND ANNEX, CHICAGO.

Bedford Oolitic Limestone,

Sawed, Turned and Machine Dressed.

OOLITIC STONE CO. OF INDIANA.

CONTROLLING

ROBERT REED, Sec'y-Treas.

THE BEDFORD QUARRY CO.

BEDFORD,

AND THE NORTON-REED STONE CO.

INDIANA.



The Above Buildings Were Erected From the Buff Limestone of Our Quarries.

BROOKS CURTIS
STONE Co.

Sawed, Turned, Planed, Cut,
Ready-to-Set

BEDFORD STONE

Estimates Furnished Promptly
F. O. B. Cars All Parts of U. S.

BEDFORD, IND.

John A. Rowe,

CUT STONE WORKS.

BUILDING STONERustic Monumental Work is Our Specialty.Our design book containing
52 designs, price . . \$1.00**BEDFORD, IND.**

BEDFORD STONE

Sawed, Planed,
Turned or Cut

Bedford Steam Stone Works, BEDFORD, INDIANA

Estimates promptly furnished. F. O. B. Bedford or delivered.

Indiana Bedford Stone Co.,**MILL BLOCKS and
SAWED STONE.....**Complete Stock of Seasoned
Buff Stone and Quick Service.**BEDFORD, IND.****Furst-Kerber Cut Stone Company,**

— CONTRACTORS —

BEDFORD OOLITIC LIMESTONE

Equipped to Work Winter and Summer.

Our Specialties: Good Workmanship, Material and Prompt Service Guaranteed.

Cutting Plant, BEDFORD, IND.

Main Office, 443 Fifth Ave., CHICAGO.

Stone.

The National Cut Stone Contractors' Association.

Meets Semi-Annually.

Robert E. Harrsch, Chicago, Ill. President
P. B. Parker, New York City. First Vice President
George Dugan, Bedford, Ind. Second Vice President
Henry Struble, Chicago, Ill. Secretary-Treasurer

Official Organ, ROCK PRODUCTS.

Turn Out Perfect Stone.

The American Contractor in discussing the decline in the use of building stone and the substitution of terra cotta and art brick, takes the position that the dealer in building stone is much to blame himself and that he should see to it that in the future only the best quality of stone is furnished for any work. That paper in summing up its article, makes this suggestion that the trade should accept and put in practice:

"At present the tide, long running in favor of various 'substitutes,' is turning back to natural stone, which is being largely employed in classes of buildings which, for some years, have quite generally been constructed of brick and the like. The permanency of the reaction will depend very largely upon the quality of the stone furnished and its freedom from defects, more especially its being cut to lie on its true face. This is an important matter, which more so than many stone men seem to think. In its revival, natural stone must compete with concrete and other 'substitutes' from the standpoint of endurance as well as cost, and those interested in maintaining and increasing the present movement towards natural building stone should bear this point distinctly in mind, laboring to turn out the most perfect stone that they are capable of producing."

New Building for Montreal.

MONTREAL, CANADA, November 25.—A ten-story building will be erected at the corner of Drummond and St. Catherine Streets, to be used as a piano warehouse by Willis & Co. The building will have a frontage of 24 feet on St. Catherine Street and 90.6 feet on Drummond Street. Plans for the building have been prepared by John James Brown & Sons. The building will be of steel and fireproof construction. The lower stories will be of Montreal limestone and the upper stories of Indiana limestone.

Capitol Stone Contract Awarded.

BOISE, IDAHO, November 15.—The Capitol Building Commission has awarded to Murphy, Story, Carter & Larsen, of Boise, the contract for the placing of the belt course of granite and the building of the walls of cut stone up to the first floor, for \$49,000.00. The contractors are to buy their stone from the State quarries recently purchased from Jellison Bros.

Stone Mansion Moved.

FORT WORTH, TEX., November 10.—One of the most interesting pieces of work ever done in the way of house moving in Fort Worth has just been finished at the old Chase place. The stone mansion has been moved a distance of more than 100 feet and has been turned half way around without a single crack being made in the walls or plastering.

Sue Trustees of Church.

SCRANTON, PA., November 15.—The Carlucci Stone Co. has sued the trustees of St. Joseph's Catholic church of Hazelton, for \$4,184.91, balance due them for material and work done in the construction of the church.

Skyscraper for Lumbermen.

KANSAS CITY, Mo., November 27.—One of the handsomest of the sky scrapers erected here this season was built by R. A. Long, of the Long-Bell Lumber Co., and is located at Tenth and Grand Avenue. It will be rented almost entirely to lumbermen as ten out of fourteen floors will be occupied by them.

The lower three stories were built of Bedford stone furnished by the Furst-Kerber Co. It is considered a very handsome building by experts as the stone portion is very ornate. The interior marble work was done by the Pickel Marble and Granite Co., of St. Louis. Howe-Hart & Cutler are the architects. The Furst-Kerber Co. also furnished the stone for the Independence Boulevard Christian church, which was also built this summer. It is considered one of the most beautiful churches in Kansas City.

Carry a Large Stock.

ST. LOUIS, Mo., November 16.—The Pickel Marble and Granite Co. are interior decorators and monumental dealers. Their main office and works are located at 1901 to 1907 North Broadway, and they have a branch works at 2015 to 2027 Grottiot Street. The officers of the company are: W. Pickel, president; W. Pickel, Jr., vice president, and William P. Sullivan, secretary. Mr. Sullivan says that their past season's business has been very satisfactory in all their various lines. In addition to their local business which has been very large they have furnished marble for interiors for buildings in Kansas City, Seattle and Los Angeles. The monument business has not been confined to a local business as they have shipped several large monuments West. They carry a large and carefully selected stock.

Will Cut Carthage Stone.

KANSAS CITY, Mo., November 22.—Chas. E. Arquitt has recently succeeded E. B. Harris in the cut stone business at Twentieth and Garfield Avenues. Mr. Arquitt is an experienced operator and was associated with his father and brother at Farley, Iowa, where they operate a limestone quarry. The output of the Farley quarry is shipped all over Iowa, Illinois and Minnesota. In addition they do an immense business in crushed stone. Mr. Arquitt has only been in Kansas City a few months but has made many friends. He will cut Carthage stone exclusively and has made a contract with the Carthage Building Stone Co. to furnish him with stone. He has some nice contracts on hand and says the indications point to a large business in the spring.

Brooklyn Stone Contractor Dead.

NEW YORK, December 1.—James McLaren, a prominent cut stone contractor, of Brooklyn, died November 28 in his fifty-seventh year. The funeral services were held at the residence, 683 Tenth Street, Brooklyn, at 8 p. m. yesterday. Among the New York stone men present at the services were Edwin Ball, of Barr & Ball, John Gillies, of James Gillies & Sons, J. G. Edwin Spurr, of J. J. Spurr & Sons, Gilbert Brown, of George Brown & Sons, B. A. Williams, of B. A. & G. N. Williams, Andrew D. Baird, of the A. D. Baird Co., P. B. Parker, of the South Dover Marble Co., and George K. Beddoe, of the P. M. B. Stone Co. Mr. McLaren was a successful contractor and was well thought of by business associates. His plant was located at the foot of Court Street in Brooklyn.

Will Demolish Old Music Hall.

ST. LOUIS, Mo., November 30.—For twenty-five years the architecturally hideous but very servicable Music Hall has stood in what was formerly known as Missouri Park, bounded by Thirteenth, Fourteenth, Olive and St. Charles Streets. Several years ago the rear of the building was converted into a coliseum, where the annual horse show and many political gatherings have been held. Bids are now advertised for to wreck the entire structure, preparatory to erecting the Central Carnegie Library of cut stone, after plans by Mauran, Russell and Garden.

The Sun Stone Co., of Freeport, Ohio, has been incorporated with a capital stock of \$5,000.00. Joseph Patrick, Mike Patrick, C. D. Vincenzo, H. P. Copeland and W. H. Fowler are incorporators.

Using Much Indiana Limestone.

NEW YORK, November 30.—Arlando Marine, wholesale dealer and quarry representative, is furnishing the stone for a number of handsome private residences in Greater New York. He is shipping the stone for the residence of W. K. Vanderbilt, Jr., Fifth Avenue, above Fifty-second Street, and is using "Old Blue Hole" limestone from the Imperial Stone Co., Bedford, Ind. McKim, Mead & White are the architects. The same stone is being used for two houses on Fifth Avenue, above Eighty-first Street, being built by Welch, Smith and Provost, architects, for William Hall's sons. The same stone will be used for a five-story residence on Seventy-ninth Street for George L. Rives, former corporation counsel of New York. Carrare & Hastings, architects. He has a number of other jobs for which stone is being shipped.

Satisfactory Season in Fort Wayne.

FORT WAYNE, IND., November 30.—William Geek, president and general manager of the Geek Stone Co., says this season has been satisfactory and while they have not had any large contracts the work has been of the best and there has been very little demand for cheap specifications. They have plenty of work to keep them busy until freezing weather sets in and the prospects for a spring trade are good. The plant is equipped with two gang saws and a planer as well as several derricks. The entire equipment was furnished by the Rutland Iron Works, Rutland, Vt. Mr. Geek expects to add another planer during the winter.

Petition in Bankruptcy.

ATLANTA, GA., November 15.—A petition in bankruptcy against the Ramsey-Brisben Stone Co. has been filed by the George B. Sickles Co., The Anderson Hardware Co. and the Scipios Sons Co. The petition followed the death of George Ramsey, president of the company. During his life the company erected many of Atlanta's largest buildings, among which were the Fourth National Bank Building, the First Methodist church and the Majestic Hotel. Harry Dodd has been appointed receiver.

Will Operate Alabama Quarry.

MEMPHIS, TENN., November 26.—Morris Bros., manufacturers of marble and granite, have office and wareroom at 201 S. Main Street and their mill and works at Broadway and McKinley. Mr. Morris said that their past season had been satisfactory and that the outlook was bright for a continuation. Mr. Morris, when asked about his quarry in Alabama, said that so far he had not been able to give it his attention, but that he expected to commence operations there in the spring.

Operate Vigus Stone Quarries.

ST. LOUIS, Mo., November 24.—The Sinclair Quarry and Construction Co. controls the Vigus stone quarries which are eighteen miles from St. Louis. Their offices are 413 Fullerton Building. C. H. Slaughter, president of the company, said the principal part of their output was sold in St. Louis and that they had had a good season. The stone is used for building purposes, rip-rap and macadam.

Use Bedford Almost Exclusively.

ST. LOUIS, Mo., November 24.—The St. Louis Cut Stone Co. are contractors at Theresa and Grand Avenue, on the Missouri Pacific Railroad. Edward J. Stamm is president and Peter A. Pickel is secretary. They have been using Bedford stone almost entirely, but still have calls for Portage Red. While they have done no large jobs this past season they have been busy with a lot of small work.

Building Church of Sandstone.

PITTSBURGH, PA., November 23.—The Clark Bros. Co., of Preble and Bayard Streets, has a nice cut stone contract at McKey's Rock, where they are putting up a stone church of Pennsylvania sandstone. The cost will be about \$8,000.00.

The Bedford Buff Stone Co., of Bedford, Ind., has increased its capital stock from \$30,000.00 to \$50,000.00. W. M. McMillan is president and E. W. Skidmore is secretary.

NEW HALL OF RECORDS.

Magnificent Structure Is Opened in New York—Exterior and Interior Both Beautiful.

NEW YORK, November 30.—The new Hall of Records in Manhattan one of the most beautiful pieces of architecture in the country, has recently been formally opened by the municipality. Within its portals will be located the Department of Taxes and Assessments, the register's office, the Surrogate's court and the Law Department. Over \$5,000,000.00 has been spent on the construction of the building. The contract for its erection was awarded in 1897 and a great deal of criticism has been heaped on the builder and architects for the long delay but now that the beautiful structure has been completed New Yorkers realize from even a casual examination the amount of work and patience required to mold the raw materials into a homogeneous mass. The architects for the splendid structure, a picture of which is here shown are Messrs. Horgan & Slattery. The exterior of Maine granite speaks for itself and every passerby with the least artistic instinct must pause and admire its graceful lines.

But the interior is said to exceed the exterior for beauty of design and detail. It is positively a revelation and there is probably nothing like it in any city in the United States. The main entrance on Chambers Street is wainscoted entirely with Sienna marble. There is a beautiful mosaic ceiling with two pictorial lunettes at each end. But the visitor does not begin to appreciate the artistic and gorgeous environments until he reaches the foyer.

Designed after the grand foyer in the Grand Opera House in Paris it is one solid mass of Sienna marble, which in color, is a delicate shade of yellow, and gives the visitor the impression that he is in some kingly palace. Over head is a bronze elliptical ceiling which defies description. Two massive stairways constructed of the same kind of marble, lead from each side of the foyer to an open colonnade on the second floor.

There are probably no court rooms in the country like the two which are intended for the use of the Surrogate's Court on the fifth floor of the building. The court room on the north side is finished in Santo Domingo mahogany. The decorative features are French Renaissance in treatment. There is a beautiful plastic ceiling finished in gold. The north court room is finished in English oak. This room is more gorgeous in its fittings to the artistic eye than the adjoining court room. Around the wall are four carved panels, representing allegorical pictures, Wisdom, Truth, Civilization and Degradation. There is a beautiful balcony constructed of marble overlooking each court room where visitors may sit and watch the proceedings below.

Each court room is provided with the most elegantly carved marble mantel-piece that the human mind can conceive. In the north court room the mantel-piece has been carved out of Numidian marble and in the south court room, Easton marble, a domestic product, has been used. The linings of each mantel-piece are of metal bronze executed by the Tiffany Studios after an original design.

The marble which is used in the other floors of the building is known as C. F. Italian marble. These floors will be occupied by the register's office and the Department of Taxes and Assessments. The furnishings and fittings of each of these floors is in keeping with the elegance of the rest of the interior decorations.

The foundations of the building had hardly risen above the level of the street when John R. Thomas, who designed the exterior of the building, died. The firm of Horgan & Slattery was called in, and to them was left the task of taking up the work where Mr. Thomas left off. They are the designers of all the beautiful and gorgeous decorative features in the interior of the building.

French renaissance is the style of treatment of the architecture of the exterior of the building. The group of figures on the extreme top of the building on Chambers Street was designed by Bush Brown. The statues of some of the former mayors of the city and the former governors of the state, which line the Centre and Chambers



NEW HALL OF RECORDS, NEW YORK.

Street sides, were designed by the famous sculptor, Philip Martini. The massive columns on the front of the building in Chambers Street are each of a single piece of granite.

Some complaint has been made that the architects have not provided any places for mural decorations. This is unfounded. There are places for twelve pictures, the two lunettes in the main entrance, each being twelve feet high and thirty-five feet wide, can be appropriately utilized for this purpose.

Messrs. Horgan & Slattery, in view of the many assertions which have been made that the building cost \$10,000,000.00, have prepared an itemized statement to show that the total cost of the building, including the interior decorations and the furnishings, is \$5,063,000.00. Over four million dollars of this amount was awarded in contracts during the administration of the late Mayor Strong.

Despite the satisfaction with which New Yorkers view the handsome building they can not but think that it would have been a much more beautiful building and more representative of American enterprise and American talent and American materials been used entirely throughout the vast pile. They realize that there are many beautiful American marbles, notably the Georgia marble, that might have been used to advantage in the interior decorations of the building.

Omaha Cut Stone Contractors.

OMAHA, NEB., December 1.—The National Stone Co. has an office in the New York Life Building in charge of Mr. Thomas Sullivan. The quarry and crushing plant is at Louisville, Neb., about thirty miles from Omaha on the Burlington and Missouri Pacific Railroads. The quarry equipment consists of pneumatic air system for the operation of the drills. They use three kinds of drills, the Hardsoc Wonder drill, the Chicago Pneumatic Tool Co.'s drill and an Ingersoll-Rand drill. All of the stone is blasted as none of it is used for dimension stock. They have two crushers, one No. 5 Gates and one No. 3 Austin. The principal part of their output has been shipped to Omaha. Mr. Sullivan says that the only complaint that he could make about the past season's business was that they could not get enough help to run the plant to its full capacity. They have been operating the quarry for two years and have a capacity of about thirty cars per day.

The Nebraska Stone Co. has its cut stone yards at Fifth and Jones Streets. The firm is composed

of D. Melquist, president and manager; J. Q. Burger, vice president, and Peter Laux, treasurer. Their equipment consists of two gangs and two planers, besides the usual other machinery. They employ twenty-eight men in the yard and fourteen on the outside. They cut principally Bedford and Carthage stone, although they have a great deal of limestone which they get from Stockdale, Kas. Among the large buildings which the Nebraska Stone Co. has built the past season may be mentioned the Omaha Methodist church and the Wise Memorial Hospital, each costing \$10,000.00, besides the Chicago Northwestern Co.'s immense stone wall one square each way which they are building around their property. This job will be built entirely of Bedford stone and will cost \$25,000.00. Quite a number of large buildings are contemplated for next season. There will be a new bank building erected at the corner of Sixteenth and Harney Streets. The Union Pacific railway is going to erect a \$1,500,000.00 stone and steel building and the contract for a new Jewish Temple will soon be let.

A. Schall & Co. are among the best known cut stone contractors in this section and have their sawmill and yards on Jones Street, between Fifth and Sixth. They operate two gangs of saws, one Anderson Bros. diamond saw, two Lincoln Iron Works planers and one of the New Haven Manufacturing Co. Mr. Schall says that they have been running the plant day and night for the past fourteen months and have been unable to get out their work as rapidly as they would like to. They cut principally Bedford and Carthage stone and some Portage Red sandstone. Among the large buildings which they have erected during the past summer, have been the All Saints church at Twenty-sixth and Dewey Streets. This is an all-stone job built entirely of Bedford, and very ornate. Mr. Schall also had the contract for furnishing stone for the first three floors of the Brandeis Building, one of the largest department stores in the West and built on the principal thoroughfare of Omaha. He also furnished the stone trimmings for the Graden Building, which has only recently been completed. Mr. Schall says that the outlook for the coming season is bright, as many large buildings are contemplated. He said that during the past season Omaha erected about one thousand buildings of various kinds and that no city in the West was building up more rapidly.

The Occoquan Stone and Lumber Co., of Occoquan, Va., has been incorporated with a capital stock of \$50,000.00. R. O. Holt is president, K. C. Holt, secretary and Jesse Miles vice president and general manager.

Granite.

BARRE, VERMONT.

BARRE, VT., November 20.—Burke Bros. are getting ready for new spring business by building an addition to their already up-to-date shed. The addition will be used exclusively for the surface cutting machines and the railway track which connects the traveling crane with the outside world.

One of the finest of the monuments which are now being finished up, is the monument to the late Capt. H. A. Duffy, to be erected at Syracuse, N. Y. E. L. Smith & Co. are doing a nice job on the monument and it will be ready to ship by December 10.

Charles W. McMillan, Sr., of C. W. McMillan & Son, has just returned from a trip among Western dealers and has brought back some good orders.

The Barre office of Rock Products receives frequent inquiries in regard to various firms not shipping work owing to the alleged inability to get cars. In every case investigation has proved that the manufacturers' excuse was bona fide. Cars are as scarce as white blackbirds, but the dealers are hoping for better things.

One of the greatest sights that Barre has seen in many a day was witnessed one day last month when a team of twenty-four draught horses belonging to the veteran teamster, H. C. Leonard, drew through the streets of Barre a block of granite more than thirty-five feet in length, three feet square at the base, and weighing more than forty tons. It was quarried at Littlejohn & Milne's, and was on the way to Jones Bros.' shed where it is now being cut into a big spire for C. H. More & Co.

The matter of excessive fire insurance rates which has been buzzing under the hats of Barre granite manufacturers, has come out into the light in a way that bids fair to improve the situation. What has been done is the incorporation of the Granite Mutual Insurance Co., of Barre. The incorporators are: A. P. Abbott, B. Abbisetti, F. H. Burke, James Campbell, T. H. Cave, Jr., H. P. Cutler, O. J. Dodge, E. A. Drown, F. G. Howland, J. Henry Jackson, A. A. Sargent, H. W. Scott, H. G. Woodruff, F. C. Bancroft, C. N. Barbee, A. B. Hutchings, John Trow, George Kent, R. J. Robinson and A. J. Young. The capital stock is \$10,000.00 and there will be not less than nine nor more than twenty directors.

A new invention has just been placed before the granite polishing trade. It is a contrivance patented by Charles E. Whelpley, a granite polisher in the employ of the Royle & McCormick Co., or Montpelier, and Arthur W. Clark, of East Montpelier. In this invention the felt disc that is now in use in polishing is replaced by a disc made of metal containing curved concentric slots into which cork strips are fitted. Several are now on trial in Barre and Montpelier.

Hiram Laird, the oldest granite man in St. Johnsbury, died recently after a short illness with pneumonia.

The stone sheds and polishing mill located near the cutting plant of E. L. Smith & Co. and owned by C. H. More & Co., have been purchased by the first named firm for \$6,000.00. C. H. More & Co. will occupy a portion of the plant for the present but will build a new plant soon.

James Long, of Smith Bros. Granite Co., has been in Wisconsin this month looking after the firm's interests.

Fred Fagan has just returned from a Western trip in the interest of E. Abbisetti & Bros.

John M. Berryman, of the firm of Berryman & Gay, was recently married to Miss Jennie Matson, an attractive young woman of Barre.

Clifford Ellis, an employee of Hoyt & Lebourveau, was pulling down a derrick boom by hand a few days ago when the machinery was suddenly started and Ellis was hauled up into the pulleys. Three fingers were cut off, another one was broken and another dislocated.

While Fred Leclair was oiling a shafting box overhead at Jones Bros.' plant recently his coat sleeve caught in the belting and he was thrown around the shafting three or four times. Finally

the belt came off the pulley and he fell down. His arm was nearly pulled from its socket but his injuries are not fatal.

A new bank has just been chartered in Barre for the benefit of quarry owners who have such a large amount of business in Barre town, located four or five miles from the banks in the city. The new institution will be known as the Quarry Savings Bank and Trust Co. Among the granite men, who are incorporators, are George B. Milne, John E. Smith, Donald Smith and H. J. M. Jones.

A large stone, 14 feet 2 inches by 6 feet 8 inches by 1 foot 6 inches, was drawn through the streets of Barre the other day by a team of fifteen horses and taken to Sanguinetti Bros.' shed. The stone came from J. B. Sanguinetti's quarry, and owing to the poor condition of the roads it took nearly a week to transport the stone from the quarry to the shed. Mr. Sanguinetti has received a promise that a spur track will be run into his quarry and is hoping that it will be in operation by spring. The quarry is only a short distance from the railroad track and it will be but a trifling matter for the railroad to connect it whenever they commence to work. The railroad will be a great help to the quarry.

The Ross-Imlah Granite Co., for several years one of the leading granite manufacturing firms in Hardwick, has just sold out its entire interests to Bailey & Rollins. Mr. Ross and Mr. Imlah will take a vacation this winter before deciding upon what they will do in the spring.

George H. Gilman, representing the Sullivan Machinery Co., of Claremont, N. H., and well known as the inventor of the Gilman plug drill, has been in town this month demonstrating a new foot hole drill recently placed on the market by that company. Mr. Gilman's tests were successful in drilling holes 12 inches deep and 1 1/4 inches in diameter each in one minute and forty-five seconds, with an air pressure of one hundred pounds.

Barclay Bros. are just shipping to Albany, N. Y., a beautiful monument which is to be erected to the memory of the late Col. Willard Glazier, who was a soldier, author and statesman. The monument was designed by Mrs. Glazier and consists of a base and die rock face with most elaborate carving on the die. The base is 7-5 x 4 x 1 and the die is 5-4 x 3-4 x 10. The rock face is made to appear as rough as possible and still keep it consistent in form with the artistic emblems carved upon it. On the left side is a sunk panel polished and lettered with the names of the battles in which the Colonel took part, both in the Civil and Spanish-American wars. On the front is a large carved shield, bearing the inscription above which two bugles are carved in bold relief, and on the sides of the shield are two swords, the shield and scabbards being polished. Below this is an army badge, an emblem with crossed swords. On the right hand corner, beautifully draped the full length of the monument is the United States flag. The folds are exquisitely hammered and the most notable thing about the effect of it all is that the stars and stripes are polished. At the lower end of the corner resting against the flag staff in high relief is a stack of arms consisting of two muskets, a sword, pistol and army canteen. From just below these on the right hand corner of the base drop the tassels of the flag. On the back is a plain polished panel left for other inscriptions. The monument is one of the most unique and artistic ever cut in Barre granite.

In 1899 the Vermont Historical Society elected a committee to raise funds for the purpose of erecting in the portico of the State capital building alongside the statue of Ethan Allen a suitable monument to Admiral George Dewey. A report of that the committee heard this month gives the amount thus far received to be \$2,524.18. While this sum is insufficient for the purpose it is hoped that it will not be long until it has grown to proportions that will enable the Society to erect one of the most notable Barre granite monuments in the State.

The Eclat Granite Co. is busy this month and will get everything caught up so as to start with a clean slate January 1, and be in shape to commence on spring orders, with nothing but new work on hand, their aim being to ship all orders promptly on time for spring delivery.

E. L. Smith & Co. find the prospects for the coming year exceedingly bright. Among orders already taken for spring delivery are four nice vaults and a goodly amount of monumental work.

Fred Fagan, who for more than a year past has been the competent and popular office man with E. Abbisetti & Bros., leaves December 1 for Lorain, O., where he goes into partnership with Walter J.

Lebanon and George A. Ross, both former Barre men in the retail monumental business, established in Lorain a few years ago by Mr. Lebanon.

Grearson & Lane are making plans to have a very up-to-date column turning plant in Barre City. The new shed recently built by them is now having an addition, built on to it 84 feet long, making the whole shed 176 feet in length. They expect to move all their machinery from the East Barre plant, which they are now occupying, so as to begin business in the new shed early in January.

W. A. Lane has just sold six big polishing machines to the Vermont Marble Co. at Proctor. This company is now using twenty-three of Mr. Lane's Granite City polishing machines. He is also shipping this month two new machines to parties in Mexico.

H. J. Bertolli of Montpelier, has recently cut and erected in Burlington, Vt., a classic monument that is attracting much attention. The design was made by T. Harrison Myers, A. R. I. B. A., of Preston, England. He is an antiquarian of note, who has written several treatises on stones, crosses, and ancient brasses. The monument takes the form of a Celtic cross, standing on a pedestal of three Calvary steps. The cross is cruciform in shape, is something over 11 feet in height and is carved on the four sides with a braided pattern of Runic character. In Mr. Myers' treatise on old stones and crosses, he says:

"We need not wonder, therefore, at finding in our midst many memorials of their work (the ancient Celtic missionaries located in the island of Iona, Scotland) in the stones which still endure amongst us, inscribed with some rude form or device. There take us back in spirit to the gatherings upon the hillsides, which these stones were first set up to commemorate, being thence forward consecrated to Christian uses. They became to those early worshippers a veritable Bethel—a gate of Heaven."

Barre was host this month to Governor F. D. Proctor and about 300 members of the State legislature when they adjourned their session one day and spent the afternoon in a visit to the Barre quarries. Although living in the same State with the industry here they were completely astounded when, after ascending the Sky Route of the Barre Railroad in a special observation train of six cars they found themselves raised to a height of 1,023 feet and set down amid the greatest sight that any of them had ever seen in the granite business. Their first stop was at the Boutwell-Milne-Varnum properties, then over to that of E. L. Smith & Co., and up to the Wetmore & Morse quarry. These were the only quarries they inspected at close range, but they were given some idea of the other immense proportions all over the hill by the view from car windows.

Scarcity of Cars.

Goaded to desperation on account of the great shortage of cars the Barre Granite men took their troubles to the State legislature this month and had a bill introduced providing a penalty against railroads that fail to provide shippers with cars after a reasonable time. When the matter came up for hearing before the Senate committee the granite men were represented by H. J. M. Jones, W. S. Alexander, J. K. Pirie and T. W. Russell. They brought before the committee very forcibly their grievances showing the loss of business, cancellation of orders and great inconvenience caused by the failure to get cars. Figures were shown proving that thousands of dollars worth of manufactured granite, enough to load 200 cars, was in Barre at the time, and much of it could not be delivered until spring owing to scarcity of cars. A Barre banker stated to the committee that the financial side of the question was very serious, as the manufacturers had invested money in this finished work and were unable to get their work delivered or collect their bills.

Every railroad in the State was ably represented and each one maintained that it would be a physical impossibility to comply with such a law at certain times in the year, although most of the time they could meet the demand very easily. Their chief difficulty they said was their inability to get a prompt return of their cars from distant points. F. W. Starnan, for the M. & W. R. R., said they owned on that road and on the Barre Railroad 366 flat cars used in the shipment of granite largely. In the last twelve months they shipped 10,647 carloads, but that it would be impossible for the company to provide all those cars from their own financial resources, as the addition would cost over eight million dollars. One railroad representative argued the unconstitutionality of such a law on

the ground that the remedy could be got at only through the interstate commerce commission acting under the United States Congress. However this may be, the committee decided that it would be the only equitable way of settling it. The matter will probably be taken up to this higher tribunal.

The most acute trouble in Barre this month is the matter of poor collections. Firms that have only the very best of customers and who have done more business in the last six months than ever before, are being held up on collections most seriously.

Before Legislature Again.

Not all of the Barre granite business has been transferred to the State legislature, but it is certainly true that many Barre troubles have been aired there this month. Another matter that is of more importance than the car difficulty may be found in that which occasioned the following bill to be introduced this month:

Sec. 1—A person or corporation engaged in the manufacture and sale of granite shall cause to be attached to each piece of granite sold a label upon which there shall be printed the name by which such granite is generally known to the trade.

Sec. 2—This label shall not be less than four inches square, and the letters printed thereon shall be at least one inch in length.

Sec. 3—Such a person or corporation that neglects or refuses to attach such label or attaches a label bearing a different name from that by which such granite is generally known to the trade, shall be fined not more than \$25.00 nor less than \$10.00 for each offense.

This bill has not been reported at the present writing but it was well aired in public hearing, and whether it becomes a law or not, the doings at that hearing should make interesting reading and food for thought among retail dealers. There was opposition from two sources. One from Woodbury and Bethel, where the big building concerns are located, and who object solely upon the ground of inconvenience in placing a label upon every stone shipped. The other objection was from people who wished to sell as Barre granite a stone not quarried in Barre. The objections on the latter grounds came from Calais and Ryegate. The opposition claimed that such a law would have the effect of closing up their business, as their granite is sold under the name of Barre granite, and that it is much the same in quality and appearance. The bill was favored by J. M. Boutwell, of Boutwell-Milne-Varnum Co., J. K. Pirie, H. J. M. Jones and W. S. Alexander. It was contended that they had no particular grievance against the Calais and Ryegate quarries, but they complained that orders were taken for contracts in Barre stock and that cheaper stock was furnished at a cheaper original cost and at a less bill of expense for cutting, and then turned over to the unsuspecting consumer as the Barre article. Mr. Alexander gave an example of a case that happened in Minneapolis. A widow ordered a Barre granite memorial for her husband at a cost of \$1,700.00. The firm taking the contract used some other granite and set it up for the Barre article. Later the widow learned that it was not Barre granite that she had bought. She immediately removed the remains of her husband from the mausoleum, sold the bogus work at auction and then placed an order with a Barre firm for a real Barre granite structure. A representative of the Patch Co., of Calais, maintained that their prices were the same for the same grade of stock as prices at Barre and that they were on the same vein of stock, although about twelve miles distant. It was suggested by Mr. Holden, of the Woodbury Granite Co., that in order to prevent the nuisance to themselves the Barre quarry owners and manufacturers adopt a trademark of their own duly copyrighted and allow only members of their association to use it. In this way they could easily prosecute any infringements upon their rights.

Harry Rogers, general manager of the Rockport Granite Co., of Rockport, Mass., has been in town this month on business.

One of the oldest and best known men in the granite trade of Quincy, Mass., Charles Louis Badger, died November 16 at the ripe old age of 86 years. Mr. Badger had been long identified with the granite industry, acquiring in 1855 the famous "Wigwam" quarry.

Joseph H. P. Hunt, for twenty-five years superintendent of the Hallowell Granite Works, at Hallowell, Me., died on November 26th, after a long illness. He leaves a widow and two sons.

QUINCY, MASS.

QUINCY, MASS., November 30.—The granite industry has fallen off materially since the last letter and only the concerns that conduct their affairs upon a business basis and persistently advertise are reaping the benefit of modern methods. There are a few such firms in Quincy, but others, small in size and equipment, are crying "hard times" and grumbling over the outlook. Still the fact can not be gainsaid that business has slumped. Orders are being slowly placed for spring work and in several yards the force of workmen has been depleted.

A case of much local interest was decided in the Supreme Court at Dedham on November 26. A jury returned a verdict in favor of Elcock & Sons, of this city, against George H. Field, deputy sheriff for \$334.60. Elcock & Sons manufactured a monument in the spring of 1905 for one Adams, a dealer in Jersey City, which was to be delivered according to the written contract at "Pier 50, New York, on or before March 15, 1905." They had no sooner placed it on the cars at West Quincy than Field attached it on a claim of Phillip F. Garrity, also of this city, against Adams. Garrity refused to surrender the monument on the presentation of Elcock & Sons, and they were finally obliged, after much trouble and expense, to cut a new monument to replace the one attached.

The verdict sustains the contentions of Elcock & Sons in every respect and Mr. Garrity through Sheriff Field must pay them the value of the monument and the expense which they incurred.

Much has been said in the columns of Rock Products about the freight congestion at Quincy Adams, but no immediate relief is yet forthcoming. True, the New Haven system has started to enlarge a new possession north of the railroad station, but weeks have passed without any appreciable work being done. The city boasts of a Board of Trade and a Citizens' Union, not to mention the Granite Manufacturers' Association, organizations which are supposed to right these defects. There has been no move on the part of either of these associations, however, to better conditions and the delays in granite shipments continue. One day a few weeks ago two two-horse drays and two four-horse drays were waiting in single line their turn to unload finished granite at the present cramped yards south of the Quincy Adams Station. There were eight horses and four men standing idly by for hours.

Rock Products, through its resident representative, has ever been alert to point out the trade's shortcomings, solely with the intent to have them speedily rectified through the proper channels. Nor has his efforts been entirely in vain, for in many instances a start has been made toward correcting evils. Yet there is lacking a united effort, and where one proposes a remedy there are several by ready to balk every effort to better the trade in general. The same conditions have continued locally for years and Quincy is only getting a smattering of work while other centers are experiencing a car shortage to ship their bulk of finished work. Quincy trade has no complaint to lodge of car shortage. There are cars sufficient but a narrow cart path to a much narrower freight yard places an exasperating embargo upon the speedy shipment of finished stock. When the different trade organizations meet to talk shop and business improvements it is hard to get a quorum, but let one or the other hint through the columns of the press that John Doe or Richard Roe is to be endorsed for a municipal office at the organization's regular or special meeting and the hall is filled.

It has been decided that nothing but Quincy granite will do for the Pilgrim monument to be erected at Provincetown, Mass. Five designs have been chosen from 115 submitted and the fortunate five will receive a cash prize of \$200.00 each. It is improbable that any design will be used in its entirety. The type of monument the committee has in mind is the Tower del Mangia in the public square of Sienna, Italy, the sides of which are perpendicular. The monument will be higher than that on Bunker Hill, Boston, Mass. It will stand on a hill 90 feet high and will be the first thing seen by approaching ocean steamers. The National government has contributed \$80,000.00 toward its erection. It will commemorate the first landing of the Pilgrims prior to their making a perma-

nent settlement at Plymouth, Mass., in 1620. The proposed monument will be of granite with concrete for the interior which will contain an inclined walk to the top. It is hoped that the dedication may be on August 1, 1907, the anniversary of the Pilgrims' departure from Deft Haven.

Charles Louis Badger, one of the oldest and best known granite men in New England, died November 6 at his home in West Quincy at the age of 86 years. Mr. Badger had been identified with the granite and machine making business for many years. In 1855, in company with his brother, the late Leon C. Badger, he engaged in the granite business and acquired the famous Wigwam quarry, one of the best known quarries in the city. It was from this quarry that the granite for the New York Exchange building was taken as well as the New Orleans custom house, the North monument in New York City, the Hale monument in Connecticut, the pedestal for the Washington monument, Washington, D. C., the General Cook monument at Arlington cemetery, Washington, and other notable public buildings and memorials. Several years after opening his quarry Mr. Badger opened a machine shop for the manufacture of granite tools, while his brother looked after the granite industry. He was an expert machinist and worked at his trade until the spring of 1906. He held many elective offices under the old town form of government. Mr. Badger is survived by a widow and two sons, William E. and Russell W. Badger, who are still interested in the mammoth machine shop founded by their father.

Mayor James Thompson, of the firm of John Thompson & Son, is up for re-election to the office of mayor. If elected it will be his third term as the city's chief executive. He was nominated by the Republicans and will have for an opponent William T. Shea. Mr. Shea is also a granite man of experience and makes a specialty of granite paving blocks.

Ernest L. Saunders, of the firm of Long & Saunders, reports a successful business trip to New York and Philadelphia.

The firm of Murphy & Igo has dissolved partnership. The business in the future will be carried on by Roger J. Murphy.

John Perry, of the firm of Bergbauer & Perry, has decided to go it alone in the granite business for a while. He will pay and discharge all debts and liabilities and receive all moneys payable to the firm.

Daniel Cameron, the well known South Quincy manufacturer, has been on the sick list for several weeks. He is now convalescent, however.

Fred Barnicoat has recently set the bronze tablets in the Washington arch at Cambridge common, as illustrated in last month's Rock Products. The bronze work is from the Gorham Manufacturing Co., Providence, R. I.

At the time of its dedication October 19, 1906, only temporary tablets were placed in the elaborate granite arch. The tablet on the left reads: "Noar this place on July 3, 1775, George Washington took command of the American army." A medallion of Washington is in the center of the tablet. On the right hand tablet are the words: "Dedicated October 19, 1906 by the General Society, Daughters of the Revolution." The granite used in the arch is Milford pink.

Henry Kitson, the sculptor, is in Vicksburg, Miss., with a model of a monument entered in competition.

The Granite Railway Co. is adding extensive improvements to its plant in West Quincy. A mammoth derrick will be erected at the quarry which will greatly expedite the marketing of "the Rails" famous extra dark stock.

The year's end finds that the city has had a prosperous year as to its staple industry. Never before have such large monuments been shipped. All polished Quincy is also on the increase and some notable monuments of this kind have been made here during the last twelve months. The turning plants have had their share of building work, also and are in the market for more.

Not only has the home granite been turned and polished into balls, columns and balusters, but car loads of outside stock have found their way to these plants to be fashioned into large and small columns and balusters for the building trade.

Harry Nicoll, of the Nicoll Granite Co., reports a successful business trip through New York and Pennsylvania.

McGilvray & Jones have finished their contract of plain cutting for the Parkman memorial which will adjoin Boston's park system. The contract was a large one and the job was manufactured from Somes' Sound, Me., Granite.

Frank Reccla, the well known Boston carver, executed the heroic size figure of a North American Indian after a model by Daniel C. French, of New York.

To date the weather has been favorable to expeditious quarrying and many manufacturers have stocked their yards with the essential in anticipation of the spring rush.

The Quincy Quarries Co. will operate an enlarged stone crushing plant at their O. T. Rogers property in West Quincy.

The Quincy Avenue Granite Co. is now located on the site lately occupied by Henry Adrian, near the Quincy Adams station. The location is an admirable one with a spur track from the New Haven system entering the yard. Mr. Adrian will enter the wholesale monumental field.

Maguire & O'Heron, of East Milton, have the contract for furnishing the cut stone for the new \$65,000.00 public school in process of erection at Atlantic (Quincy), Mass.

C. A. Swingle & Co. are cutting an immense sarcophagus job for W. H. Mushlitz, an editor and newspaper owner of Evansville, Ind. The stock is extra dark and from the quarry of Jonathan Swingle. It will be polished and the name will appear in polished raised letters on a hammered panel.

William Spargo has shipped his elaborate polished Schiller-Goethe monument to Cleveland, Ohio, where it will be dedicated with appropriate ceremony. This job, both in stock and workmanship, will enhance the value of the local granite and Quincy workmanship.

An unusually large amount of rough and finished granite was shipped from here last month, the total being 20,435,258 pounds. This was an increase of nearly five million pounds over the previous month. The amount was distributed as follows: West Quincy, including the Quarry railroad, 14,095,577 pounds, Quincy Adams, 6,339,681 pounds.

WINDSOR GREEN GRANITE.

WINDSOR, VT., November 22.—The granite for the McKinley sarcophagi in the mausoleum at Canton, Ohio, will come from the Enright Granite Works of this town. The famous green granite quarried from Ascutney Mountain will be the material used, the supply coming from a new quarry just opened on the farm of S. G. Mower in West Windsor. The granite is of a finer and better quality without the seams, veins and light colored defects found in some of the stone which has been taken out from the old quarries, and still having the rich, dark green color which has made it famous. Some of it may be seen in the Seth Low library building at Columbia University, New York, in the Hocheliga Bank at Montreal and in the Journal Building at Boston.

The contract calls for six pieces of granite 14 inches thick, which will form two receptacles 8 feet 10 inches long, 4 feet 4 inches wide and 2 feet 6½ inches thick, with a smaller stone between. The whole will be surmounted by two cap stones, each 1 foot 2¼ inches thick, cut and polished according to designs submitted to the commission having the work in charge, by H. Van Buren McGonigh, the architect. It is said that the sarcophagi will resemble somewhat that of Napoleon in the Pantheon at Paris, the figure and wings upon the top being lacking, however. With increased facilities for getting out the stone which will be employed it is expected that the blocks, some of them weighing nine tons, will be ready for shipment about the middle of January. The work of cutting and polishing the granite will be done at the works of George W. Maltby & Sons, general contractors, at Buffalo, N. Y.

The Carter Slate Co. has filed articles of incorporation in the state of Vermont, with a capital of \$50,000.00. The incorporators are Maurice A. Carter and Ellis Williams, Granville, N. Y., Clark M. Patee, Dandy; William F. McDevitt, South Dorset; Patrick McCormack, Middle Granville, N. Y.

MILFORD, N. H. BUSINESS.

MILFORD, N. H., November 20.—Business in Milford is, as is usual at this time of the year, quiet and probably will be until spring comes, when the quarries will be in full blast again. Milford's future looks brighter now than at any time in its history, however, on account of several newly opened quarries where it looks as though plenty of good stone will be found for all future needs. The greatest trouble with Milford in the past has been, not on account of the quality of the stock but on account of its lack of quantity. This difficulty bias fair to be overcome.

Burnett Bros. report business as very good for this time of the year, although new business is not coming much for the winter. They are cutting a nice Celtic cross job and several extra dark die monuments from the Daniels quarry that are very attractive. They are employing more men than usual at present.

P. C. Felli & Co. are closing up a lot of splendid big work, most of them being high grade carved jobs. They have produced three splendid statues recently and have taken orders for five other statues for the spring. They have considerably increased their facilities recently by installing a new Oldham surfacing machine.

Tonella & Sons have been very busy all summer and are just cleaning up all their fall business in preparation to close down the quarries during the worst of the winter. This firm is one of those who are developing quarries that will make Milford famous. Their new quarry is thoroughly equipped and they have been getting out some splendid stone. They have been employing forty men on the quarry the past summer and 115 in all, including the cutting plant. They are to install a new air compressor in their quarry in the spring.

The Daniels Granite Co. have been busy all summer and are still rushing out fall orders. They are meeting with success on the quarry which they started to develop last spring. They find three grades of stone, light, medium and extra dark. The medium can hardly be distinguished from Westerly and the extra dark is a distinct feature from any other Milford stone. The supply is probably unlimited. They expect to run the quarry all winter. The firm is running more men than ever just now and among other work they are cutting for the Woodbury Granite Co. several large polished panels in Bethel granite for a building job.

Comolli Bros. & Co. have recently developed a quarry that has shown up some wonderful possibilities, both in the quality of the fine gray stone and in the way the sheets lie. The stone is hard and is entirely free from any imperfections, either of knots or streaks. Mr. Comolli claims it to be the finest stone in Milford. They will equip the property with machinery until they have as good facilities as money can buy.

Receiver Will Operate Plant.

NEW YORK, November 15.—The model plant of the New York Granite Works, located between South River and Old Bridge, is to be opened up by R. W. Lyle, receiver of the company. The plant is all equipped to work, has plenty of orders, but no capital. It was finally agreed to allow the receiver to issue receiver's certificates to the amount of \$40,000.00 to provide funds for the operation of the plant, which will make money if properly operated. The plan is to pay off the \$40,000.00 with the first profits and then pay off the claims of the creditors next. Mr. Lyle is confident that the concern can pay off every cent of its obligations.

Don't Overlook the "Top."

Color schemes are accessories to architectural effects. This applies to the inside and outside finish of any building. Just as the head gear of the well dressed man will mar or make the finished picture, so does the color and wearing qualities of the roof have its bearing on the architectural effect of the building.

High grade roofing slate combines with toughness, this requisite unfading quality, and as a roofing material is in a class by itself. This is one of the many points that should be brought out in the general work of publicity which is about to be carried on by the Slate Manufacturers Association of New York State.

Granite Business in Maine.

BOSTON, MASS., November 11.—The granite business on the coast of Maine is a flourishing business, and the Bodwell Granite Co. is one of the largest companies operating in the district. They employ 250 men and operate quarries all along the coast, each one producing a granite of peculiar color and marking. The Fox Island quarry, also known as the Palmer quarry, produces a granite which shows its component minerals in large detail. The coloring and marking are persistent, allowing very large slabs and columns to be well matched.

From this picturesque quarry ponderous columns were recently taken out, 6 feet in diameter, 36 feet long in the lower section and 18 feet in the upper, for the church of St. John at Morning-side Heights, New York. These columns were polished at Vinalhaven, Me., a work so big and important as to make a history for the little town that saw them grow to perfection through all the painstaking process from the quarry to the loading on the schooner.

Granite Found by Digging Well.

MADISON, IND., November 19.—A remarkable bed of granite underlies a greater part of this city and has just been discovered. Work was started on the sinking of an artesian well but was permanently stopped, owing to the drill striking granite which could not be penetrated. Chairman Bingham of the board of county commissioners has made a settlement with the well contractors, and will take steps toward the further developing of this valuable find.

Oklahoma Business Booming.

GRANITE, OKLA., November 27.—Both the Rugles Granite Co. and the Oklahoma Granite Co. are increasing their plant equipment, in preparation for the spring season of 1907. Not content with ordinary purchases of machinery, these enterprising concerns have just placed an order for an entire car load of various machinery with the St. Cloud Iron Works, St. Cloud, Minn.

Pink Granite in Wisconsin.

MILWAUKEE, WIS., November 22.—G. E. Van Patten is interested in the development of a granite quarry on Ellison Bay. The stone quarried is of delicate pink color, polishes easily and resembles changeable silk. The supply seems to be inexhaustible, and arrangements are now being made to have at least 100 men start working in the spring to quarry this granite.

Purchases Maryland Quarry.

RISING SUN, MD., November 11.—M. F. McDowell, of Port Deposit, has purchased the granite quarry of Strawbridge Gerry at Rowlandville, and is at once preparing to install modern equipment for the purpose of working the quarry to its full capacity. The quarry has stone of exceptional quality, and the spring season will see lots of business done at this point.

Texas Company Is Incorporated.

AUSTIN, TEX., November 26.—The Plains Lumber and Granite Co., of Happy, Swisher county, with branch offices in Tullia and Wright, Swisher county, and Plainview, Hale county, has just been incorporated with a capital of \$25,000.00. The incorporators are J. O. Brandenbaugh, of Happy; L. F. Cobb, of Tullia; C. C. Brandenbaugh, of Dallas.

New Company Is Formed.

ST. PAUL, MINN., November 22.—The Minnesota Mahogany Granite Co., of Minneapolis, Minn., has been incorporated with a capital of \$550,000.00. The incorporators are W. B. Edgar and D. G. Barringer, of St. Paul and Leonard Elkus, of Minneapolis.

Large Granite Sheds.

MARINETTE, WIS., November 22.—One of the most progressive concerns in this section is the Pike River Granite Co., with quarries at Amberg, where they also have some of the largest granite sheds in the world.

Marble

Publicity Does Pay.

Frequently you hear a manufacturer, quarryman or dealer say with an emphasis that is intended to rebuke, "Publicity? Why, that's just what I don't want." It is a wise man that knows what he wants and gets it. But in many cases his lack of wisdom is shown, not by his inability to get what he wants but by his ignorance of what he really wants or needs. Nowhere is this better exemplified than in the dealer who says he doesn't want publicity, the great fly wheel on the engine of American enterprise and progress.

An example can be found in the marble industry. For centuries the fame of the marbles that come from Paros and from Carrara have been heralded until they are known to-day from one end of the world to the other. So great has been the publicity that to-day four out of five persons will think when they hear of a building being built with a marble exterior that the marble came from across the seas. They do not know that their own country produces some of the finest marbles in the world. It is up to the marble dealers to enlighten them. They can do this and make American marbles as well known as Paros marbles, or Sienna marbles or Carrara marbles, if they will avail themselves of the greater means of achieving publicity in the present century. In the old days publicity was carried by word of mouth, and it was slow in being disseminated. In the twentieth century such publicity is carried through the best trade papers, by fast trains and fast mails, so that results are obtained in the minimum space of time. It is undoubtedly true that if dealers would write the word publicity in their mental note books many buildings which are now being built of material from across the seas would be monuments to American industry and American material. Publicity pays.

Georgia Marble in Kansas City.

KANSAS CITY, MO., November 30.—That Georgia marble is growing in popularity, not only for interior decoration and monumental work, but also for imposing exterior work, is proven by its latest invasion of the West. The First National Bank, at the corner of Tenth Street and Broadway, considered by many the handsomest building in Kansas City, has just been completed and Georgia marble was used exclusively in the exterior. A picture of the handsome structure appears in this issue and gives a fair idea of the imposing building. Pedestrians all pause to take a second look at the building. It is a good example of the truth that when you want an imposing, handsome, structure, that is substantial, stone is the best material and Georgia marble is second to none. This is one of the largest structures in the West ever built entirely of Georgia marble. Few kinds of stone lend themselves so well for this kind of construction. The adaptability of Georgia marble is one of its strongest points. It not only produces an attractive and imposing exterior but is also used with good effect in interior decorations and in monuments.

The general effect of this building is most pleasing to the eye. The building is not dead white but is mottled with gray, and this produces a very charming effect. Standing as it does on one of the most prominent corners in Kansas City it is a monument to the architectural possibilities of this well known stone. The six giant columns in front add much to the general grandeur of the structure.

Wilder & Wight were the architects for the building and George L. Brown & Son were the general contractors. The stone work was done by A. Sutermeister, one of the leading cut stone contractors of Kansas City, whose office and mill are located at Twenty-first and Main Streets. His plant is equipped with every modern appliance to facilitate the handling of building stone and the mill and yards, in which fifty men are kept busy the year around, show much activity.

Marble Cobalt Blue in Color.

TALLADEGA, ALA., November 10.—When the deposit of white marble was unearthed in this county and it was said to be equal to the far-famed quarries of Carrara and Paros for statuary, quarry owners at other places and the expert marble men in other States and cities pronounced the quarry a fiction. But an additional and different quarry has been opened near the original bed, containing fine-grained marble of good texture and of solid cobalt blue in color. The new marble is said to combine the texture of both Carrara and Parian marbles. The quarry is three miles south of Talladega.

Marble Company Buys Timber Land.

PROCTOR, Vt., November 24.—The Vermont Marble Co. has bought 17,000 acres of spruce woodland in the towns of Grafton and Windham, completing one of the biggest real estate deals ever recorded in southern Vermont. About \$17,000.00 was paid to V. A. Wilbur, of Grafton, for the property. The marble company, of which Fletcher D. Proctor, is president, does not intend to cut the timber at present, but will hold it, with \$40,000.00 worth of similar adjoining land bought last year, for the future needs of its business.

Marble Deposit Near Brandon.

BRANDON, VT., November 14.—What is thought to be a valuable deposit of pure white marble has just been uncovered on what is known as the Hiram Buckland farm, north of this village. A plot of ground about 50 feet square has been uncovered and at a depth of 10 or 12 feet a fine layer of white marble has been found. Several expert marble men have inspected the find and pronounce it to be unusually good.

Road to Marble Is Open.

MARBLE, COL., November 23.—The Crystal River and San Juan railroad was completed to this town to-day and citizens held an enthusiastic celebration. They have waited twenty years for this road and are happy over the knowledge that the vast deposits of valuable marble here will now be opened.

Will Develop Marble Deposit.

WOONSOCKET, R. I., November 15.—Henry H. Branchaud will develop what is thought to be valuable marble property on the farm of E. M. Branchaud near Brandon. There are to be places on the farm where marble crops to the surface.



SECURITY SAVINGS BANK, SAN FRANCISCO.

Buys Interest in Marble Company.

CANTON, GA., November 28.—Thomas J. Ponder, who is at present and has been for five years, in charge of the sawing department in the wholesale plant of the Georgia Marble Finishing Works at this place, has purchased an interest in the Perry Marble Co. Mr. Ponder will resign his position to take effect the last of December, and then will be in charge of the shop while Ben F. Perry, Jr., for many years stenographer and bookkeeper for the Georgia Marble Finishing Works, will have charge of the office. The new firm has purchased the Etowah Marble Co., which was formerly the McConlees-Jones Marble Co., a retail company of this place, and this business will be conducted in the future as the Perry Marble Co.

Marble Stood Fire Test.

SAN FRANCISCO, CAL., November 23.—A building, whose outer walls stood the test of the great earthquake and fire of last April, was the Security Savings Bank Building, which was constructed of Vermont marble. The accompanying picture gives a good idea of the endurance of the marble. On the right is the ruin of the Nevada Bank Building, and on the left are the Merchants Exchange Building and the ruins of the Safe Deposit Building.



FIRST NATIONAL BANK BUILDING, KANSAS CITY, MO.

A Strong Organization.

DORSET, Vt., November 25.—Within a mile of the first American quarry that ever produced merchantable marble and very close to the town of Dorset are located the quarries and mills of the Bennington Marble Co., organized in the spring of the present year with the following officers: Ernest H. West, president, of Dorset, Vt., who is by right of birth a marble man, son of S. H. West, of the Norcross-West Marble Co.; George H. Newman, vice president and treasurer, the active manager of both the quarry and mill at Dorset. He is every inch a business man. He has shown wonderful aptitude in mastering the details of getting both quarry and mill started and organized for action. He hails from Fitchburg, Mass., with a thorough training in mercantile and manufacturing affairs: Michael Cohen, St. James Building, New York, is the secretary and he is so well known at the sales and delivery end that to mention his name is all that is needed to show a very strong combination, one which will do some team work in the marble trade this coming year.

The first derrick was set up in the quarry on July 25, immediately over a drill hole, the core from which showed something like 100 feet of pure white marble and was chosen as the best of several hundred cores taken out in the vicinity of Dorset upon lands, the properties of S. H. West.

In the neighborhood the quarry is called "The Lucky Strike," this name being fully deserved by reason of the economy of stripping and the high class of marble taken out on the first floor, now being worked. There has been a prolonged drouth in the mountainous altitudes of Vermont this year, and it has taxed the ingenuity of Mr. Newman to keep the boiler supplied with water for steam to run the drills, the derrick power and the channeling machine. He is a resourceful man and soon constructed two reservoirs up on the mountain side to conserve the meager supply of the little never-failing springs.

The mill is located in the valley about half a mile from the quarry, and they are connected by a well made quarry road for a haul down hill all the way, and beside this both quarry and mill are close to railroad facilities. The old mill was abandoned thirty-five years ago before there were any railroads, but is located for operation by a good water power, and the equipment of saws and polishers will be made up-to-date in every particular by putting in the best machines that money can buy.

If a Burns could walk down the road in early autumn from the quarry to the mill in the valley, then, gentle reader, you could have a poem about highland slopes clothed in many shades of green, buff, brown and scarlet; of tumbling streams and placid ponds, the old dam of marble blocks, moss grown and damp, and the low rambling buildings of the mill properties with the great pile of marble blocks quarried two score years ago.

But we must tell of the quality of these same blocks. After all these years of exposure they are found to be perfect, both in texture and color, and fully equal to any that could be quarried today. Few of them, however, have the proper dimensions for economical sawing or polishing, yet they silently testify in a way that can not be contradicted just how much quality there is in the marble the Bennington Marble Co. have to offer their customers, and only a few hours haul to New York, Boston and other markets.



MARBLE MILL BEING PUT INTO COMMISSION BY THE BENNINGTON MARBLE CO., DORSET, VT.



"LUCKY STRIKE" MARBLE QUARRY AT THE TIME OF BEGINNING OPERATIONS IN JULY, 1906.

Kansas Has Woman Marble Cutter.

Kansas has a woman who gains her livelihood mainly by pursuing the work of marble cutter. She is Miss Lucy J. Daniel, of Meade. Far out in that country, grouped about her on the prairie in a sort of weird way are the tombstones, the product of Miss Daniel's toll. She has been working at this occupation for twenty-one years. For ten years of this time she had the distinction of being the only woman following the business. Now there is one other woman similarly engaged.

To be the maker of tombstones, on its face, is not a business conducive to levity. But Miss Daniel maintains a cheerful disposition through it all—"I have to do it in this business," she says. Since the day in May, 1885, while living in northwestern Arkansas that she took charge of a marble cutter's shop she has followed the business steadily and with good financial returns. She worked in Arkansas and southwestern Missouri, putting up several hundred dollars' worth of work in those states. In April, 1902, she came to Kansas, settling in Meade.

Georgia Operators Are Busy.

TATE, GA., November 30.—The Georgia marble quarrymen have found no reason to complain of their business during the past year and a glance at their order books shows that this splendid stone is growing in popularity, both for exterior and interior use and for monumental purposes. The Georgia Marble Co. and the George B. Sickles Marble Co. here have been rushed with orders all season. Both have done much to popularize Georgia marble and stand to-day among the leading firms of the country. The Blue Ridge Marble Co., at Nelson, Ga., has also been busy all the year and looks for a most prosperous season in 1907. The Kennesaw Marble Co., of Marietta, Ga., has gotten out some unique designs for monumental purposes and their output shows the highest type of material and workmanship. The Georgia Marble Finishing Works, at Canton, Ga., have found that orders have been fully up to expectations.

Duty on Statuary Increased.

NEW YORK, November 20.—The Italian Marble Co., of Carrara, has had a controversy with the New York custom house authorities over the duty on statuary shipped at reduced rates by reason of the subjects treated being of religious and artistic character. The pieces were entered at several hundred lire in value but the board of appraisers contended that the value should have been nearer a thousand lire. The company lost its contention.

Onyx Found in Marble Quarry.

RUTLAND, Vt., November 2.—What promises to be a rich vein of onyx has been discovered in an abandoned marble quarry on the farm of Alfred Goulet on the line between Wallingford and Clarendon. If the onyx proves to be of such quality as is valuable for working, C. L. Stewart and E. H. Foley, who uncovered the deposit, will develop the property.

Will Market Colorado Marble.

DENVER, COL., November 10.—Charles Austin Bates, at one time proprietor of an advertising magazine, will devote his time to producing and marketing Colorado marble. He is interested in the Yule Creek Marble Co., near Marble, in Gunnison County, Col. Mr. Bates is enthusiastic over the prospects of his venture.

New Concern in Washington.

SPOKANE, WASH., November 15.—The Verd Antique Marble Co. has taken over the property of the old U. S. Marble Co., ten miles west of Valley on the Spokane Falls and Northern railway, and will develop the quarry, getting out a good quality of material for outside finish. The product is a beautiful green marble.



"LUCKY STRIKE" MARBLE QUARRY OWNED BY THE BENNINGTON MARBLE CO., DORSET, VT.

Will Build Marble Residence.

NEW ORLEANS, LA., November 20.—Plans for the stone and marble residence to be built by Mark Isaacs on his property in St. Charles Avenue, between Soniat and Dufosse Streets, have just been completed by Favrot and Livaudias, architects. The residence will be built at a cost of \$75,000.00.

Purchased Marble Quarry.

GOVERNEUR, N. Y., November 10.—Henry H. Victory, of Whitesboro, purchased the quarry and plant of the Rylestone Marble Co., at the sale held by the trustee in bankruptcy for \$10,050.00. He will probably operate the plant for crushed rock.

Marble and Granite Company Formed.

MILWAUKEE, WIS., November 10.—The Fond du Lac Marble and Granite Co., of Fond du Lac, has been incorporated with a capital stock of \$25,000.00. Charles H. Tolzman, J. F. Heisler and C. M. Heisler are the incorporators.

Will Open Polishing Mill.

GOVERNEUR, N. Y., November 16.—The Extra Dark Marble Co. started up its quarry this week after a shut down of over a month. The company will open up a mill for cutting and polishing the marble.

Side Talk.

The Milwaukee Monument Co., who quarry and manufacture Wisconsin Mahogany granite for the monumental trade at their great cutting plant in Milwaukee, and whose general offices are located at 813 Chamber of Commerce Bldg., Chicago, Ill., announce that they are just closing the most successful year that the firm ever experienced, and that they observe a steadily increasing demand for their Wisconsin Mahogany granite. This is one of the red granites of Wisconsin for which the State is justly famous, of a soft red mahogany color, which is popular with the monumental trade because it is striking in appearance and shows a marked contrast in its unpolished and polished surfaces. Mr. August Kringel, secretary of the company, has recently sold his interest to Louis C. Pauly, who has been elected secretary in his stead. Mr. Pauly for years has been the superintendent of the quarry operations of the company, and has made a very successful record in getting out a steady supply of fine monumental stock.

Almost every monumental man knows that red granite because it is the very thing that Frank X. Gosselin tells you about with so many charming variations as he jots down the order for your requirements. The waste stock at the quarries, which are located at Lohrville, Wis., is worked up into granite pavers and such as is not even good enough for pavers is run through the crushing plant and sold for ballast or crushed concrete aggregate, so that the grout pile, which is such a prominent feature at most granite quarries is practically disposed of and marketed.

Otto Rathmann, president of the company, lives in Chicago, where the best market is found for the pavers and crushed granite. Chicago is also the principal center for the sales of the monumental and mausoleum stock, and since he is proud of his reputation for prompt delivery he is up against the present car shortage.

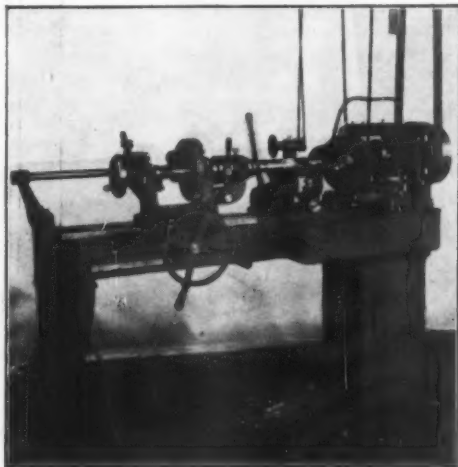
The Thomas H. Dallett Co., York and Twenty-third Streets, Philadelphia, Pa., announce that the arrangement heretofore existing between that company and the Pitkin Supply Co., of Boston, Mass., by which the latter were constituted as the New England selling agents for the Dallett Co., has been discontinued. They invite future correspondence to be directed to the Philadelphia headquarters of the company.

Incidentally they say that Dallett hammered surfaces and polishes are rapidly gaining in popularity with the retail monument dealers, for in the whole list there is not a single dissatisfied customer.

The Pike River Granite Co., whose quarries are located at Amberg, Wis., near Marinette, have the distinction of producing the only real fine textured gray granite in the Northwest. It is going to be popular with monumental dealers because it is dark, hard and has a good contrast between the polished and tooled surfaces. W. O. Willison, who is the head of the Western branch of E. C. Willison & Co., with office in the Chamber of Commerce Bldg., Chicago, is the general sales agent, and that means favorable consideration at least, for the newly found Wisconsin stone.

Nathaniel C. Harrison, of the Harrison Supply Co., 34 India Wharf, Boston, Mass., conducts a hustling business that the trade has always liked to find. One of the things that pleases Mr. Harrison most just now is the tremendous success which has met the promotion of that new marble polishing wheel which the Harrison Supply Co. control. Marble people all over the country are rushing in orders for wheels and the users are all enthusiastic in their praise of it. The wheel takes the stone from the soil and carries it right through to the finish.

Manning, Maxwell & Moore, whose general offices are located at 85-89 Liberty Street, New York, desire to call attention to the Dahl Automatic Drill Grinder, of which they say: "This machine is capable of grinding drills one-half inch to three



DAHL AUTOMATIC DRILL GRINDER.

and a half inches, and is the only grinder in the market that will work entirely automatically." The ten points of detail which proclaim its individual superiority are as follows:

"This enables an unskilled operator to grind a drill at a true angle without difficulty.

"The machine is equipped with simple and rapid adjustment for taking care of drills of different sizes.

"No centering of drill is required, as the grinding takes place while the drill is being revolved.

"Drills are pointed after grinding without being removed from the machine.

"The design of the machine insures equal height and even cutting on the lips of the drill.

"The wear on the face of the emery wheel is uniform, therefore no equalizing of wheel is required.

"Gauges are provided on the head of the machine for adjusting wheel for various diameters.

"There is also micrometer adjustment for adjusting the wheel to cover allowance for wear.

"The machine weighs approximately 1,900 pounds, is furnished with one large emery wheel, one small wheel for pointing, necessary rest for end of drills and bushings for the taper shanks.

"A wide range of automatic feed is provided."

The North Carolina Granite Corporation, Mt. Airy, N. C., issues an illustrated booklet on their quarry property and extensive equipment, together with a number of views which show the uses to which their fine white Southern granite has been put. Notable are pictures of the Land Title Building, Philadelphia; the Manyunk National Bank, Philadelphia; St. Nicholas church, Atlantic City, N. J., the celebrated Confederate monument at Raleigh, N. C., besides a number of mausoleums and other monuments of lesser importance. A very clear idea of the immensity of their operations may be gathered from inspecting the booklet, and one may be had for the asking.

The Arthur Koppel Co., 66-68 Broad St., N. Y., who build the well known copper car, which is used by quarryman and contractors throughout the country, announce that their Pittsburg office has been removed to the Machesney Bldg., 225 Fourth Ave., where Pittsburg callers will be cordially greeted and correspondence should be directed in future.

The Allis-Chalmers Co., Milwaukee, Wis., issue Bulletin No. 1507, entitled "Allis-Chalmers Air Compressors," in which they take up the subject of air compression in a very exhaustive manner, and incidentally exploit their Corliss steam driver air compressor. It is profusely illustrated, showing the construction and arrangement of the several parts of their compressors in detail so as to give a very clear understanding of the mechanism and the purpose of each part, so that a great deal of information not usually known to the purchaser of such machines is presented in a complete brief on the compressor subject. There is no phase of compressed air that is not efficiently and completely considered and it will be furnished to those who ask for it.

The Allis-Chalmers Co. is being represented in the territory of Virginia, Missouri and the Carolinas by John J. Ridgeway, who is one of the active and practical apostles of the Gates' crusher.

The Hammer drill has become as indispensable for all works of excavation as the heavier piston drill for heavier service. Both are now considered to be economical in every well equipped quarry operation.

The Ingersoll-Rand Co., 11 Broadway, New York, has just issued Bulletin No. 2011, which tells all about the "Little Jap" hammer drill. They say it embodies all the qualities which has made the name of Ingersoll-Rand famous for more than a generation, economy, simplicity and reliability. It is made in two styles, one being a strictly hand hammer, while the other is arranged for mounting the familiar tripod which every user of drills knows so well. The bulletin will be mailed so that every inquirer can have full information with regard to it for the asking, but if you chance to be in Boston just slip around to 77 Oliver Street and hear George Githens tell all about it.

The Sullivan Machinery Co., whose general offices are located in the Railway Exchange Building, Chicago, Ill., report that there has been a prodigious growth in the number and size of the machinery installations in quarries and stone cutting plants in 1906; in fact, in the last few years the number of thoroughly equipped machine plants has been more than doubled. Some of the progressive quarrying operators are now discontented with the output which represents in a week more than could have been expected, under the old arrangement, in a whole quarrying season. This remark goes to bear out the assertion that Rock Products has made so often, that the stone age of modern construction is right upon us and is growing all the time.

The Jeffrey Manufacturing Co., Columbus, Ohio, call attention to the crusher with automatic feed device. In these days when the by-products of the quarry are attracting so much attention and being exploited to such great extent the swing hammer type of crusher can not fail to be an interesting matter for consideration. This crusher has been carefully developed and the Jeffrey Co. now consider that they have a perfect machine to offer to those who have had any crushing to consider. They also make a full line of elevating, conveying, screening, drilling and power transmitting machinery, so that a complete plant can be ordered from one concern.

The Mulconroy Co., 722 Arch St., Philadelphia, Pa., manufacturers of contractors' engineers' and quarrymen's rubber goods, note that the quarry operations of the country generally are being advanced late into the season this year by reason of the fact that a large quantity of their famous Kant Kut Rubber Boots, especially designed for use of the quarrymen, are now going into active service. Every good, bright day that the quarry can be operated means additional profit to the operator.

The Pitkin Supply Co., 259 Atlantic Ave., Boston, Mass., calls attention to the Wedge electric compressed air heater which is claimed to be the only device that will successfully prevent freezing of pneumatic tools. They are the Eastern agents for the Macomber-Whyte Moon Co.'s wire rope in which they do an extensive business, besides this they handle a large number of quarry tools and supplies, which are splendid in every particular.

Wanted and For Sale

WANTED—HELP.

A PRACTICAL QUARRY MAN as superintendent of crushed rock quarry on San Francisco Bay. Must be thoroughly experienced in quarrying and handling machinery; capable of taking entire charge of plant and construction work. Quarry operates all year round. State experience and references. Address Post Office Box 2154 San Francisco, Cal.

A REPRESENTATIVE or local agent for granite business. Address GIORDANI & CO., Quincy, Mass.

DRILL RUNNERS on two year rock tunnel job at South Chicago. Address THE PARKER-WASHINGTON CO., 1012 Chamber of Commerce Bldg., Chicago, Ill.

WANTED—HELP.

FOREMAN for their cutting shed by a large granite firm. Must be familiar with building work and able to handle work cheaply and well. State age and experience including firms worked for and work done. Address W. 4 care Rock Products.

SUPERINTENDENT for Monumental Department, large wholesale shop; must have thorough knowledge of Georgia marble and several years' experience. Locality healthful and general situation favorable. THE BLUE RIDGE MARBLE Co., Nelson, Ga.

WANTED—POSITION.

CUT STONE MAN who has had good practical experience with some of the largest firms in the country would like position as manager or superintendent of cut stone plant. Best of references. Address W. 3, care Rock Products.

FOR SALE.

ELEGANT WISCONSIN LIME and STONE quarry. For particulars, address H. M. FELLESEN, Fond du lac, Wisconsin.

ALL OR PART INTEREST in the best sand stone quarry in the West. Unequaled opportunity. Address U 2, care Rock Products.

A SUCCESSFUL MARBLE and Granite Business, Central Kentucky, with a Builders' Supply business attached. Well established, operated for 18 years in a town of 9,000 people. Shop equipped with pneumatic tools. Will sell monumental or builders' supply business separate. Address C. H. Lewis, Somerset, Ky.

QUARRY of finest monumental black granite in the United States. Complete equipment for manufacturing on tide water. Best shipping facilities. Address U 1, care Rock Products.

MISCELLANEOUS.

COLORADO GRAY AND RED GRANITE.

Government assay pronounce the gray purest in United States, takes a fine polish and hammers snow white. Over two million dollars worth of granite crosses Mississippi each year; some of this should and can be shipped from Colorado. I have 160 acres of granite land and want an experienced monumental and structural granite cutter and quarryman to correspond with me in reference to opening up a modern cutting plant in Denver. Such a plant with the right people back of it would have a mighty bright future. Can quarry eleven months out of the year. Quarry has been slightly opened and granite used by monumental men here. Would take interest in plant and lease quarry right. Satisfactory freight rate promised for middle West states. Correspondence solicited. H. R. BROWN, 944 Downing avenue, Denver, Colo.

FOR SALE CHEAP!
Derricks, Stone Saws, Etc.
Good Opening for Building Stone Man
F. P. STEWART GRANITE COMPANY,
HAMILTON, OHIO

W. H. SARVIS,
WHOLESALE MARBLE

941 W. 5th St., Cincinnati, Ohio

For Sale!

Crushing Plant with contract for 100,000 cubic yards of R. R. ballast at good price.

Want to sell on account of death of practical partner. Address,

QUARRYMAN,

Care of Rock Products.

ROCK PRODUCTS' ADVERTISERS INDEX.

Advertisers after which the page number does not appear the advertisement will be found in the next issue:

Abbiatti, E. & Bros. 49
Actua Powder Co. 49
Abern, James. 49
Allis-Chalmers Co. 49
Alpha Portland Cement Co. 49
Alsing, J. R. & Co. 49
Alma Port. Cement Co. 49
American Air Compressor Works. 2
American Clay Working Machinery Co. 49
American Hydraulic Stone Co. 49
American Process Co. 49
American Rolling Mill Co. 49
American Sandstone Brick Co. 49
American Sand-Lime Brick Co. 49
American Sewer Pipe Co. 49
American Soap Stone Finish Co. 49
Anderson Marble Works. 46
Anderson Bros. 46
Anderson, Geo. & Co. 6
Ash Grove White Lime Association. 49
Ashland Fire Brick Co. 49
Atlas Car Mfg. Co. 50
Atlas Cement Machinery Co. 49
Atlas Portland Cement Co. 49
Aurora Boiler Works. 8
Austin Mfg. Co. 49

Backus Water Motor Co. 46
Balfour Quarries Co. 1
Banner Cement Co. 49
Bartlett, C. O. & Snow Co., The. 41
Barnes & Co. 49
Barre White Granite Co. 51
Bates Eng. Co. 49
Bedford Quarries Co., The. 41
Bedford Steam Stone Co. 32
Bell, Edwin Co., The. 49
Big Four Route. 49
Blies Dryer Co. 49
Blodeau, J. O. 49
Birmingham Iron Foundry. 56
Blue Rapids Gypsum Co. 49
Blue Ridge Marble Co. 41
Bolle, N. E. Stone & Contracting Co. 45
Bostwick Steel Lath Co. 49
Bostwell Milling Varanum Co., The. 49
Bowers, R. C., Granite Co. 52
Brooks-Curtis Stone Co. 32
Broome, Schmidt & Steacy. 46
Buckeye Portland Cement Co. 49
Butterworth & Lowe. 49

Caden Stone Co. 1
Cameron D. E. 49
Cantley, Robert. 51
Cappon, Thomas W. 49

Carpenter, R. H. 50
Carthage Bldg. Stone Co. 45
Carthage Crushed Limestone Co. 44
Carthage Marble & Lime Co. 45
Carthage Monumental Stone Co. 45
Carthage Stone Co. 45
Carthage Quarry Co. 45
Carthage Superior Limestone Co. 44
Cascus & Ciconi. 7
Case Mfg. Co. 49
Caummaier, T. C. & Sons. 50
Cement Machinery Co. 49
Century Cement Machinery Co. 49
Chase Foundry and Machine Co. 49
Chattanooga Paint Co. 49
Chicago Belting Co. 49
Chicago Pneumatic Tool Co. 44
Chicago Portland Cement Co. 49
Chickamauga Portland Cement Co. 49
Chickamauga Quarries Co. 49
Clayton Air Compressor Works. 9
Cleveland Builders Supply Co. 49
Cleveland Car Co. 49
Clyde Iron Works. 49
Clinton Metallic Paint Co. 49
Cohen, Michael. 1
Concrete Eng. & Equip. Co. 49
Consolidated Granite Co. 49
Consolidated Quarry Co. 53
Consolidated Stone Co. 80
Contractors' Supply & Equipment Co. 49
Crippen, H. D. 49

Dallett, Thos. H. Co. 56
Des Moines Mfg. & Supply Co. 49
Devers Cement Works. 49
Dexter Port Cement Co. 49
Doucette Bros. 49
Dunn, W. D. 49
Dugan Cut Stone Co. 44
Du Pont Powder Co. 7
Eclat Granite Co. 49
Edmondson Mac. Co. 49
Empire Stone Co. 49
Eraham, J. B. & Sons Mfg. Co. 49
Evans, E. E. 49
Farraam Cheshire Lime Co. 49
Federal Clay Products Co. 49
Finerty, J. W. 49
Fisher Hydraulic Stone & Mac. Co. 49
Fowler & Pay. 49
Franklin Printing Co. 49
French, Sam'l H. & Co. 49
Frenier & Son. 49
Frisco System. 49
Furst, Kerber Stone Co. 2

Gandy Belting Co., The. 49
Garry Iron and Steel Co., The. 49
George Bros. 49
Georgia Marble Co., The. 43
Georgia Marble Finishing Works. 42
German American Port. Cement Co. 49
Goldbranson & Co. 51

Goetz, C. W., Lime & Cement Co. 49
Grand Rapids Plaster Co. 49
Granite Ry. Co. 51
Granite Ex. Co. 51
Giulici Bros. 52
Hardsocq Wouder Drill. 56
Hartnuff, Wm. G. 49
Harrison Supply Co. 37
Hawkrige Bros. 51
Hayden Automatic Block Mac. Co. 49
Henderson Route. 49
Hendricks Novelty Co. 49
Hoadly Stone Co. 49
Howard Hydraulic Cement Co. 44
Howells Mining Tool Co. 49

Ideal Concrete Machinery Co. 49
Indiana Bedford Stone Co. 32
Ingersoll-Rand Co. 52
Jeffrey Mfg. Co. 2
Johnston, August. 56

Kennesaw Marble Co. 43
Kent Mill Co. 49
Kentucky Silica Co. 49
King, J. B. & Co. 49
Knutsen & Isdell. 49
Koppel, Arthur Co. 8
Kosmos Portland Cement Co. 49
Kotten, H. G. 10
Kritzer Company, The. 49
Lane, W. A. 50
Lawrence Cement Co. 49
Lehigh Portland Cement Co. 49
Lehigh Car & Axle Co. 49
Leusch Mfg. Co. 30
Littlejohn & Milne. 54
Lincoln Iron Works. 2
Lombard Foundry and Mac. Co. 50
Louisville Fire Brick Co. 49

McKelvey Mixer Co. 49
McKenna, David. 50
Macomber & Whyte Rope Co. 6
McMillan, C. W. & Son. 49
McMillan, W. & Son. 51
Mannex, T. F. 51
Manning, Maxwell & Moore. 9
Marquette Cement Mfg. Co. 49
Martin, Henry. 50
Marvin Electric Drill Co. 9
Mecham & Wright. 49
Mayer, W. D. 49
Milwaukee Bag Co. 49
Milwaukee Monument Co. 47
Miracle Pressed Stone Co. 49
Mitchell Clay Mfg. Co. 49
Mitchell Lime Co. 49
Morgan Construction Co. 49
Morris-Sherman Mfg. Co. 49
Moulton, Dustin. 49
Mulconroy & Co. 10
Municipal Eng. & Contracting Co. 49
Myers Stone Co. 45

Nash, A. L. 49
New Albany Wall Plaster Co. 49
New Albany Mfg. Co. 55
Newsome Crushed Stone Co. 49
Newaygo Portland Cement Co. 49
New York Consolidated Slate Co. 50
Niles-Bement-Pond Co. 7
Norris & Christian Stone & Lime Co. 49
Northampton Port Cement Co. 49
N. C. Granite Corporation. 47
Nuttall, R. D. Co. 49
O'Brien, P. 59
Ohio Fiber Machinery Co., The. 49
Ohio & Western Lime Co., The. 49
O'Laughlin, John. 8
Oliver, Wm. J., Mfg. Co. 9
Oolitic Stone Co., of Indiana. 49
Onsola, Jos. D. 41
Ottawa Silica Sand Co. 49
Ozark Cooperage & Lbr. Co. 49

Palmer, Harmon S. 49
Parr, L. L. 50
Patch, F. R. 55
Pennsylvania Structural Slate Co. 60
Perfection Block Mach. Co. 49
Peerless Brick Machine Co. 49
Perry, J. W. 51
Perry-Mathews-Buskirk Stone Co. 49
Pettyjohn Co., The. 49
Pierce City White Lime Co. 49
Pirie, J. K. 54
Pittkin Supply Co. 46
Pittsburg Crushed Steel Co. 2
Plymouth Gypsum Co., The. 49
Power and Mining Machinery Co. 8
Pneumometer Steam Pump Co. 1-9

Raymond Bros. Co., The. 49
Richards, John R. 51
Richardson Scale Co. 49
Ricketson Mineral Paint Works. 49
Rizzi Bros. 50
Rochester Lime Co. 49
Rock Island Ry. 49
Rowe, John A. 32
Rubberhite Co. 50
Ruggles-Coles Eng. Co. New York. 49
Ruggles MacCo. 8
Ruggles Granite Co. 48
Ruxton, George. 51

Sarvis & Co. 49
St. Louis Portland Cement Co. 49
St. Louis Steam Engine Co. 1
Sickles, Geo. B. 41
Schneider Granite Co. 48
Scioto Lime Co. 49
Shaw Electric Crane Co. 9

Shepherd & Parker. 49
Shoop, S. W. & Co. 49
Shuart-Fuller Mfg. Co. 49
Simpson Cement Mold Co. 49
Smith, F. L. 49
Smith, E. L. & Co. 53
Smith Bros Granite Co. 49
Soderstrom, J. A. 49
South Bend Machine Co. 49
Southern Roofing & Paving Co. 49
Spackman, Henry Eng. Co. 49
Sprague Elec. Co. 36
Spring River Stone Co. 45
Standard Sand & Mac. Co. 49
Star Elect. Fuse Co. 7
Standard MacCo. 49
Steam Stone Cutter Co. 1
Stephens & Gerrard. 49
Stewart Granite Co. 49
Stewart Granite Works. 49
Stones Working Mac. Co. 49
Strait, John. 49
Stroud, E. H. & Co. 49
Stroudsburg Engine Works. 50
Sturtevant Mill Co. 56
Sullivan Mchv. Co. 10

Taylor Iron and Steel Co. 49
Taylor A. T. 41
Teasdale R. J. 10
Thomas Block System. 49
Trow & Holden. 8

Union Mining Co. 49
U. S. Drying Engineering Co. 49
United States Gypsum Co. 49
Universal Port. Cement Co. 49
Urschel Bates Valve Bag Co. 49

Vulcan Grit Works. 1

Warner, Chas. Co. 49
Watt Mining Car Wheel Co. 46
Weber Gas and Gasoline Engine. 46
West Leeburg Steel Co. 46
Western Cement Co. 49
Western Lime Co. 49
Westmore & More Granite Co. 54
Wheeling Wall Plaster Co. 49
Whitehall Port. Cement Co. 49
Wichita Coal & Material Co. 49
Wichita Commercial Club. 49
Williams, C. K. & Co. 49
Williams Patent Crusher & Pulverizer Co. 49
Winget Concrete Mac. Co. 49
Winsboro Granite Co. 41
Wisconsin Pulp Plaster Co. 49
Wittkind, H. C. 49
Woodbury Granite Co. 52
Woodville White Lime Co., The. 49
Woonham-Major Eng. Works. 7
Wulff, W. C. & Co. 49

Yale & Towne Mfg. Co. 10
Young Bros. 49

Business Directory.

AIR COMPRESSORS.

Allis-Chalmers Co.
American Air Compressor Works
Chicago Pneumatic Tool Co.
Clayton Air Comp. Works
Ingersoll-Rand Co., New York
Kotten, H. G.
St. Louis Steam Eng. Co.
Sullivan Machinery Co.

ARMORED ROSE.

Sprague Elect. Co.
Mulconroy & Co.

BAGS.

Milwaukee Bag Co.

BALL MILLS.

J. R. Alsing Co.
The Allis-Chalmers Co.
Power and Mining Machinery Co.

BELTING.

Chicago Belting Co.
Main Belting Co.
Gandy Belting Co., The

BLOCK TACKLE.

Yale & Town Mfg. Co.

BOILERS.

Aurora Boiler Works
Lombard Foundry and Mach. Co.

BOLTING SCREENS.

Jeffrey Mfg. Co.

CEMENT PORTLAND.

Alma Cement Co.
Atlas Portland Cement Co.
Alpha Portland Cement Co.
Buckeye Portland Cement Co.
Chickamauga Portland Cement Co.
Chicago Portland Cement Co.
Dexter Portland Cement
Samuel H. French Co.
German-American Portland Cement Co.
Goetz, Chas. W., Lime and Cement.
Hartraut, Wm. G.
Kosmos Portland Cement Co.
Lawrence Cement Co.
Lehigh Portland Cement Co.
Marquette Cement Mfg. Co.
Alacham & Wright
Newaygo Portland Cement Co.
Northampton Portland Cement Co.
Sandusky Portland Cement Co.
St. Louis Portland Cement Co.
Universal Portland Cement Co.
Whitcomb Portland Cement Co.
Warner, Chas., Co.

CEMENT HYDRAULIC.

Banner Cement Co.
Fowler & Fay
Western Cement Co.

CONCRETE BLOCK MACHINERY.

Atlas Cement Machinery Co.
American Hydraulic Stone Co., The
C. O. Bartlett & Snow Co.
Cement Machinery Mfg. Co.
Cement Machinery Co.
Concrete Stone and Sand Co.
Century Cement Machinery Co.
Devers Cement Works.
Dunn, W. H.
Fisher Hydraulic Stone & Ma. Co.
Hayden Automatic Block Machine.
Knutsen & Isdell
Miracle Pressed Stone Co.
Palmer, Harmon B.
Perfection Block Mach. Co.
Pettyjohn Co., The
Simpson Cement Mold Co.
Standard Sand & Mach. Co., The
Strait, John
Winget Concrete Machine Co.
Whitcomb Coal & Material Co., The

CEMENT BRICK MACHINERY.

C. O. Bartlett & Snow Co.
Peerless Brick Mach. Co.

CEMENT MACHINERY.

Allis-Chalmers Co.
C. O. Bartlett & Snow Co.
J. R. Alsing Co.
F. G. Smith & Co., New York
Jeffrey Mfg. Co.
Kent Mill Co.
Power and Mining Machy. Co.
Ruggles-Coles Eng. Co.

CEMENT PIPE MOULDING PRESS.

F. L. Smith & Co.

CHANNELING MACHINE.

Ingersoll-Rand Co.
Steam Stone Cutter Co.
Sullivan Machinery Co.

CHILLED STEEL SHOT.

Pittsburg Crushed Steel Co.
Harrison Supply Co.
Vulcan Grit Works
R. C. Bowers Granite Co.

CLAY WORKING MACHINERY.

C. O. Bartlett & Snow Co.
National Brick Machinery Co.

CONCRETE MIXERS.

Contractors Supply and Equipment Co.
McKelvey Mixer Co.
The Standard Mac. Co.

CONCRETE WORK.

L. L. Parry
COLORINGS, BRICK AND MORTAR.

Chattanooga Paint Co.
Clinton Metallic Paint Co.
Ricketson Mineral Paint Co.
Williams, C. K. & Co.

CONVEYORS.

Allis-Chalmers Co.
C. O. Bartlett & Snow Co.
Eraham, J. B. & Sons Mfg. Co.
Jeffrey Mfg. Co.
Power and Mining Machinery Co.
Standard Sand and Mch. Co.

COOPERAGE.

Bell, Edwin Co., The
Osark Cooperage & Lumber Co.

CRANES, ELECTRIC.

Case Mfg. Co.
Niles-Bement-Pond Co.
Shaw Electric Crane Co.
Yale & Town Mfg. Co.

CRUSHED STEEL.

Pittsburg Crushed Steel Co.

CRUSHED STONE.

Carthage Crushed Limestone Co.

CRUSHERS.

Allis-Chalmers Co.
C. O. Bartlett & Snow Co.
J. R. Alsing & Co.
Austin Mfg. Co.
Butterworth & Lowe
Des Moines Mfg. and Supply Co.
Eraham, J. B. & Sons Mfg. Co.
Jeffrey Mfg. Co., The
Kent Mill Co.
Martin, Henry
Power and Mining Machinery Co.
Sturtevant Mill Co.
Taylor Iron and Steel Co.
Williams Patent Crusher and Pulverizer Co.

CUT GEARS.

Nuttall, H. D. Co.

DERRICKS.

Steam Stone Cutter Co.

DRAIN TILES.

American Sewer Pipe Co.

DRILLS.

Chicago Pneumatic Tool Co.
Crippen, H. D.
Hardsoc Wonder Drill Co.
Howell Mining Tool Co.
Ingersoll-Rand Co.
Marvin Electric Drill Co.
Steam Stone Cutter Co.
Sullivan Machinery Co.

DRYERS.

Alsing, J. R. Co.
American Process Co.
Bartlett, C. O., & Snow Co., The
Biles Dryer Co.
Ruggles-Coles Eng. Co.
Standard Sand and Mac. Co.
U. S. Drying Engineering Co.

DRYER CARS.

Chase Fdy. and Mach. Co.
Cleveland Car. Co.
Power and Mining Mch. Co.
Wonham-Magor Eng. Works

DUMP CARS.

Allis-Chalmers Co.
Atlas Car Mfg. Co.
Cleveland Car Co.
Koppel, Arthur Co.
Oliver, Wm. J., Mfg. Co.
Watt Mining Car Wheel Co.
Wonham-Magor Eng. Works

DUMPING BUCKETS.

Atlas Car Mfg. Co., The
Wonham-Magor Eng. Works

DYNAMITE AND POWDER.

Aetna Powder Co.
Dupont Powder Co.

ENGINEERS.

Dates Engineering Co.
Shoop, S. W. & Co.
Spackman, Henry Eng. Co.
Troop, A. T.

ERADICATOR GRANITE STAIN.

Finerty, J. W.

EXCELSIOR.

Cummins, T. C. & Sons.

FIBRE MACHINERY.

Concrete Eng. and Equip. Co.
Flyria Mac. Works, The
Ohio Fibre Machy. Co., The

FIRE BRICK.

Ashland Fire Bricks Co.
Federal Clay Products Co.
Louisville Fire Brick Co.
Mitchell Clay Mfg. Co.
Union Mining Co.

FLUE LINERS.

American Sewer Pipe Co.

FOUNDRY WORK.

Lombard Foundry and Mac. Co.

FUSES.

Aetna Powder Co.
Star Electric Fuse Co.

GAS AND GASOLINE ENGINES.

Allis-Chalmers Co.
Backus Gas Engine Co.
Henricks Nevalty Co.
Power and Mining Machinery Co.

GAS PRODUCER.

Packus Gas Engine Co.
Morgan Construction Co.
Power and Mining Machinery Co.

GRAVE VAULTS.

Parry, L. L.

GYPSUM.

Grand Rapids Plaster Co.
Plymouth Gypsum Co., The
United States Gypsum Co.

GRANITE.

Abbiatti, E. & Bros.
Abern, James
Anderson Bros. & Johnson
Anderson, A. & Sons
Averill Granite Co.
Barre White Granite Co.
I. W. Bates
Big Four Company
Blondeau, J. O.
Blshop, Joseph
Boutwell, Mine, Varum Co., The
Bowers, R. C., Granite Co.
Deucette Bros.
Drennan & Brown
Eclat Granite Co.
Excelsior Granite Co.
Giudici Bros.
Granite Ex. Co.
Manner, T. F.
Mills & Co.
Oklahoma Granite Co.
Pirie, J. K.
John R. Richards
Rial Bros.
Robar, Fred J.
Smith Bros.
Smith, E. L. & Co.
Schneider Granite Co.
Stewart Granite Works
Wetmore & Morse Granite Co.
Winnboro Granite Co.
Woodbury Granite Co.

GYPSUM MACHINERY.

C. O. Bartlett & Snow Co.

Butterworth & Lowe

Eraham, J. B. & Sons Mfg. Co.

HARDENING CYLINDERS.

Broomell, Schmidt & Steacy Co.

J. R. Alsing Co.

HOISTING MACHINERY.

Allis-Chalmers Co.

Case Mfg. Co.

Shaw Elec. Crane Co.

Niles Bement Pond Co.

HYDRATING CYLINDERS.

J. R. Alsing Co.
American Hydrating Co., The
Clyde Iron Works
Kritzer Co.
National Brick Machinery Co.

HYDRATING MACHINES.

Clyde Iron Works
National Brick Machinery Co.

KILNS.

Allis-Chalmers Co.

Shoop, S. W. & Co.

LIME.

Ash Grove White Lime Association
Central Ohio Lime & Stone Co., The
Cleveland Builders Supply Co.
Farnam "Cheshire" Lime Co.
Fowler & Fay
Goetz, C. W., Lime & Cement Co.
Mitchell Lime Co.
Norris & Christian Stone and Lime Co.
Ohio Lime Co., The
Pierce City White Lime Co.
Rochester Lime Co.
Scloto Lime Co.
Woodville White Lime Co., The

LIME BURNERS.

Morgan Construction Co.

Swindell, Wm. & Bros.

LIME HYDRATED.

Ohio & Western Lime Co., The

LIMESTONE.

Carthage Superior Limestone Co.

MARBLE.

Anderson Marble Works
Blue Ridge Marble Co.
Georgia Marble Co., The
Kennesaw Marble Co.
George B. Sikes Marble Co.
Georgia Marble Finishing Works

METAL FLORAL WREATHS.

Orsola, Jos. D.

METAL LATH.

American Rolling Mill Co.
Bostwick Steel Lath Co.

MONUMENT MANUFACTURERS.

Anderson, A. & Sons
Bishop, Joseph
Carpenter, R. H.
Robins Brothers
Young Brothers

MONUMENT-SETTER.

Moulton, Dustin

OOLITIC LIMESTONE.

Bedford Quarries Co., The
Bedford Steam Stone Co.
Brooks-Curtis Stone Co.
Consolidated Stone Co.
Furst, Kerber Stone Co.
Indiana Bedford Stone Co.
McMillan, W. & Son
Oolitic Stone Co. of Indiana
Perry-Matthews-Bushkirk Stone Co.
Revs, John A.

PATENTS.

Shepard & Parker

PLANERS.

Birmingham Iron Foundry
Johnston, August
Patch, F. R.

PLASTER.

Concrete Engineering and Equip.
Ellyria Wood Plaster Co., The
Grand Rapids Plaster Co.
New Albany Wall Plaster Co.
Plymouth Gypsum Co., The
Wheeling Wall Plaster Co.

PLASTER MACHINERY.

C. O. Bartlett & Snow Co.
Butterworth & Lowe
Dunning, W. D.
Eraham, J. B. & Sons, Mfg. Co.

PNEUMATIC TOOLS.

Dallett, Thos. H. Co.
Chicago Pneumatic Tool Co.
Hardsoc Wonder Drill Co.
Howell Lining Tool Co.
Ingersoll-Rand Co.
Sullivan Machinery Co.
Trow & Holden

PULVERIZERS.

C. O. Bartlett & Snow Co.
J. R. Alsing & Co.
Kent Mill Co.
Raymond Bros. Co., The
Stroud, E. H. & Co.
Williams Patent Crusher and Pulverizer Co.

PUMPS.

Mulsometer Steam Pump Co.

QUARRY SUPPLIES.

Mulconroy & Co.

RAILROAD MATERIAL.

Atlas Car and Mfg. Co., The
Broomell-Schmidt & Steacy Co.
Koppel, Arthur & Co.
Watt Mining Car Wheel Co.
Wonham-Magor Eng. Works

ROOFING MATERIAL.

Garry Iron and Steel Co., The
Southern Roofing and Paving Co.

RUBBING BEDS.

Lincoln Iron Works
New Albany Mfg. Co.
Wm. J. Oliver

SAND-LIME BRICK MACHINERY.

American Clay Working Mach. Co.
American Sand-Lime Brick Co.
National Brick Machinery Co.

SAND PUMP.

Allis-Chalmers Co.
Fremler & Son

SAW BLADES.

Stone Workers Supply Co., The
West Leeburg Steel Co.

SAWS DIAMOND.

Anderson, Geo. & Co.

SCREENS.

Allis-Chalmers Co.
C. O. Bartlett & Snow Co.
Butterworth & Lowe
Des Moines Mfg. & Supply Co.
Eraham, J. B. & Sons Mfg. Co.
Jeffrey Mfg. Co.
O Laughlin
Power and Mining Machinery Co.

SCULPTORS.

Kizz Bros.
Young & Kenwright

SLATE.

McKenna, David
New York Consolidated Slate Co.
Pennsylvania Structural Slate Co.

SOAP STONE FINISH.

American Soapstone Finish Co.

STONE.

Carthage Superior Limestone Co.

Caden Stone Co.

STONE WORKERS SUPPLIES.

Bowers, R. C., Granite Co.

Harrison Supply Co.

STONE SAWS.

Lincoln Iron Works

Stone Working Mac. Co.

STONE TOOLS.

Ingersoll-Rand Co.

STONE WORKING MACHINERY.

Chicago Pneumatic Tool Co.
George Anderson & Son
August Johnston
Lincoln Iron Works
New Albany Mfg. Co.
F. R. Patch
Stone Working Machine Co.
Steam Stone Cutter Co.

STUCCO RETARDER.

Chemical Stucco Retarder Co.

TURN TABLES.

Broomell, Schmidt & Steacy

TUBE MILLS.

Allis-Chalmers Co.

J. R. Alsing Co.

WIRE ROPE.

Macomber & Whyte Rope Co.
Steam Stone Cutter Co.

Selections

Our facilities are the very best for shipping choice colors in
Creole or Cherokee Georgia Marble.

We import our
ITALIAN direct.

The Geo. B. Sickels Marble Company,
 TATE, GA.



The Blue Ridge Marble Co.,
 NELSON, GEORGIA

—Headquarters For—

Georgia Marble

For Building, Decorative and
 Monumental Purposes.

Estimates on Application. ✂ Design Book \$1.00 per Copy

IF YOU WANT TO SEE THE
 FINEST QUARRIES IN THE
 WORLD, COME TO RION, S. C.

Every Retail Dealer ought to have in his Show Room a few imported

MEMORIAL METAL FLORAL WREATHS.

Made in perfect and absolutely unfading colors. They
 beautify the cemetery lot. Write for particulars to

JOSEPH D. OSSOLA, - Barre, Vermont.
 Sole Agent in the United States.

SAVE mistakes, time and
 brain fog by using our
 Architects', Builders' and En-
 gineers'

Calcumeter.

Adds with absolute accuracy,
 and is a decided mind-easer and
 time-saver. Used and strongly
 endorsed by many Engineers,
 Architects and Builders.



BARNES & CO., 319 Lemcke Building, Indianapolis, Indiana

CORE DRILLING FOR QUARRY AND MINERAL PROPERTY.

I am prepared to make complete investigations
 and reports. Write for Prices.
A. T. THROOP, Consulting Engineer,
 NIAGARA FALLS, N. Y.

Casna & Cicconi,

MANUFACTURERS OF

**ARTISIC MONUMENTS
 CARVING SPECIALTY**

Vernon Street.

SO. QUINCY, MASS.

RETAIL DEALERS:

Polished Work Polished work—do you want some of it?
 My yard is filled up with dark Barre stock
 and I have some more coming, so I must make room, therefore
 the best time to get my prices is now. Have a few of these stones
 squared and polished, then you can finish them in your shop dur-
 ing the winter days. Get my prices, it will cost you only two
 cents anyway. Yours for success,

J. O. BILODEAU, MONUMENTAL WORK,
 EAST BARRE, VT.

Georgia Marble Monuments

DARK CREOLE
LIGHT CREOLE

CHEROKEE
KENNESAW



THE Georgia Marble Finishing Works

Largest Monumental Dealers and Promptest Shippers South.
Strictly Wholesale—No goods sold to consumers or agents.
We are prepared to fill your order promptly and to
your entire satisfaction. Get our "Georgia Beauties Design
Book No. 9" if you haven't one, and send us your order.

CANTON, - - GEORGIA

The Kennesaw Marble Company,

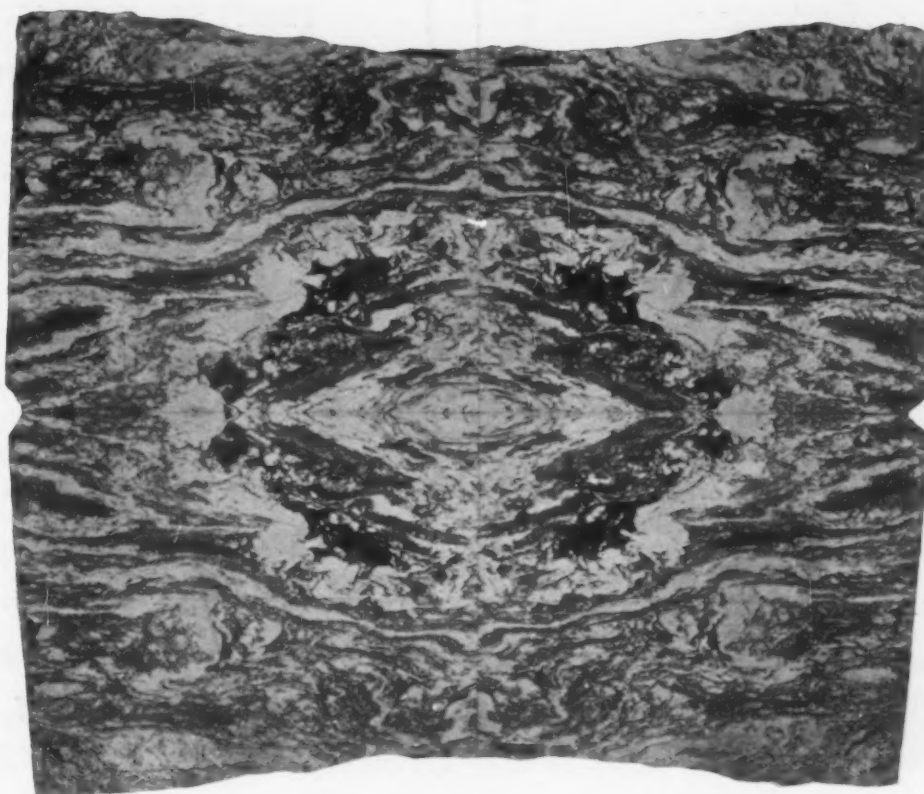
WHOLESALE DEALERS

Georgia and Italian Marbles

MARIETTA, GEORGIA

GEORGIA MARBLE

“Creole” “Cherokee” “Etowah” “Kennesaw”



Blocks furnished sawed to size—for exterior, interior and monumental purposes. Shipping facilities unsurpassed.

THE GEORGIA MARBLE CO., Tate, Ga.

Carthage Superior Limestone Company, Carthage Crushed Limestone Company,

Quarry, Stone Sawmill, Crushing Plant and Office: CARTHAGE, MO.

Equipment Strictly Modern in Every Respect—Products in Accordance.

LONG DISTANCE TELEPHONES.

CORRESPONDENCE SOLICITED.

DUGAN CUT STONE CO.

Incorporated.

CONTRACTORS

Main Office & Works, BEDFORD, INDIANA.

REFERENCES:

U. S. Post Office and Custom House, Kansas City, Mo.	Bexar County Court House, San Antonio Texas.
Jackson County Court House, Kansas City, Mo.	Mississippi State Capitol. Main Art Building, World's Fair, St. Louis, Mo.
City Hall, Kansas City, Mo.	Exchange Building, Kansas City, Mo.

No Job too Large or too Small for us. Write to us.

W. N. MATTHEWS, President.

L. V. BUSKIRK, Sec'y-Treas.

EMPIRE STONE CO.

BUFF AND BLUE

Mill Blocks and Sawed Stone

PROMPT SHIPMENTS OF EITHER STOCK.

Write for Estimate. BLOOMINGTON, IND.

Hoadley Stone Company,

(INCORPORATED.)

Bloomington, Indiana.

CUT STONE

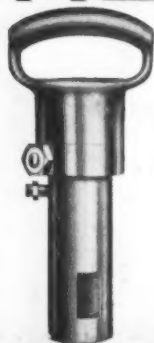
Send Plans for Estimates on all kinds of Cut Stone.
Large Columns, and Machine Work
a Specialty.

A Line or Two will do it for
YOU.

IF You want to Buy or Sell,
You want an Employee,
You want an Employer,

Try the Wanted and For Sale
Department.

KELLER



Junior and Crane Surfacers, Plug, Baby
and Lewis Drillers, Valved and Valveless
Carving Tools, Concrete Rammers and Franklin

AIR COMPRESSORS

MANUFACTURED BY

Chicago Pneumatic Tool Co.

CHICAGO - BOSTON - NEW YORK

Tools sent on Trial.

Write for Catalogue and Prices.



SUPERIOR CARTHAGE, MO. LIMESTONE FOR BUILDING AND MONUMENTAL MATERIAL

Carthage Marble & White Lime Co.

Quarriers and Sawyers of

CARTHAGE MARBLE

Bases, Dies, Flagging, Curbing, Footing,
Bridge Stone, Rubble, Etc.

Office Yards and Sawmills:
Chouteau and Vandeventer Avenue,
ST. LOUIS, MO.

Carthage, Mo.

Carthage Stone Co.

ESTABLISHED 1892.

Curtis Wright, President.

J. W. Grounds, Vice President.

W. R. Logan, Secretary and Treasurer.

Quarries and Sawmills: **Carthage, Mo.**

N. E. Bolle Cut Stone & Contracting Co.

—DEALERS IN—

CUT STONE and CARVING OF ALL DESCRIPTIONS.

Delivered f. o. b. c. destination ready to set in building.

Send Us Your Plans. **Carthage, Mo.**

Carthage Building Stone Company

We have the largest and best equipped quarry and saw mill in the Carthage district and are in position to furnish the largest orders with the least possible delay. We have a cut stone department and make estimates on cut stone ready to set in building. Plans sent us for estimate returned promptly. Be careful to get our address written plainly and put Box No. 216 on envelope.

WHEN YOU WANT Carthage Stone

Rough, Sawed, Cut, Planed,
Turned or Carved

—WRITE THE—

CARTHAGE QUARRY CO., CARTHAGE, MO.

Send Your Drawings For Estimates.

SPRING RIVER STONE COMPANY

Building Stone, Flagging, Curbing
and Monumental Stone

Quarries and Sawmills: **CARTHAGE, MO.**

Myers Stone Co.

INCORPORATED

CAPITAL PAID UP \$20,000

SAWED AND CUT STONE

REFERENCES:

U. S. Court House and P. O. Building, Joplin, Mo.
Wood County Court House, Alva, O. T.
Carnegie Library Building, Joplin, Mo.
New Womens Bldg., Ill. State University, Champaign, Ill.
Alameda Hotel and First Nat. Bank Bldg., Bartlesville, I. T.

Quarries and Saw Mills at "Myers" on Mo. Pac. Ry., 4 miles
Southwest of Carthage, Missouri.

CUT STONE YARD AT JOPLIN, MISSOURI.

This space is reserved for the

Carthage Monumental Stone Quarry Co.

DOOR EXTRA
HIGH
CAN BE MADE
AUTOMATIC

WATT

EXTRA STRONG
HOLDS 25 PER
CENT GREATER
LOAD



QUARRY CARS



THE WATT MINING CAR WHEEL COMPANY
BARNE SVILLE OHIO U.S.A.

PRESSED STEEL TURN TABLES



BROOMELL-SCHMIDT & STEACY COMPANY
YORK, PENNSYLVANIA

YOUNG BROTHERS, MANUFACTURERS OF
GENERAL MONUMENTAL WORK

From the Best
LIGHT and DARK

Barre Granite
BARRE, VERMONT.

PEVERLY BROTHERS, Agents,
1915 Filbert Street, PHILADELPHIA.

WAUSAU RED GRANITE

Famous for its color and brilliancy.
We have the finest stock in this district, either in the rough or finished.

ANDERSON BROS. & JOHNSON
GRANITE HEIGHTS P. O., WIS.

Saw Blades

Carefully Straightened and Cut Square and True. Ordinary Sizes Constantly on Hand.

WEST LEECHBURG STEEL CO.

—PITTSBURG, PENNSYLVANIA.—

CHEAP POWER

from pea coal with

**SUCTION GAS
PRODUCERS**

and

**BACKUS GAS
ENGINES**

ONE POUND OF COAL PER
HORSE POWER PER HOUR

For particulars
Backus Water Motor Co.
Newark, N. J., U. S. A.

CHICAGO REPRESENTATIVE:
Chicago Water Motor & Fan Co. 22 So. Canal St. Chicago.

**"WEDGE"
ELECTRIC
COMPRESSED AIR
HEATER**

THE ONLY DEVICE
THAT WILL
SUCCESSFULLY
PREVENT FROZEN
PNEUMATIC
TOOLS.

Write for
Particulars.



Pitkin Supply Co.

259 Atlantic Ave., BOSTON

COLIN FRASER, President, Philadelphia.

THOMAS WOODROFFE, Vice Pres., Mt. Airy, N. C.

MT. AIRY GRANITE



A white granite of a medium fine grain, very even in its texture, free from iron and other injurious ingredients, thus making it a very desirable stone for Buildings, Mausoleums and large Monuments.

Thin platforms of any dimension and shafts, Monoliths or Columns of extraordinary size can readily be furnished.

The North Carolina Granite Corporation. General Office and Quarries, MT. AIRY, N. C.

Branch Offices: New York, Philadelphia, Norfolk, Cincinnati, Chicago and St. Louis.

Wisconsin Mahogany Granite

Finest Monumental Stock.



CUTTING PLANT 354x64.

Monuments
Building Stone
Mausoleums
Paving Blocks
Screenings
Crushed Stone

Largest and Best
Equipped
Quarries in the States.

Red Granite, Wis.
P. O. Lohrville, Wis.

Milwaukee Monument Co. Office, 18th and Forest Home Ave.
Plant, 15th and Russell Avenue.

Chicago Office: 813 Chamber of Commerce Building

Tell 'em you saw it in ROCK PRODUCTS.

RUGGLES GRANITE CO.

— PRODUCERS OF —

Oklahoma Red Granite

ROUGH OR FINISHED STOCK

BUILDING WORK FOR

**COLUMNS, CROSS WALKS, CURBING
PAVING, MONUMENTAL WORK.**

QUARRIES AND FINISHING PLANT AT GRANITE, OKLAHOMA.
— WRITE US OF YOUR REQUIREMENTS. —

A Splendid Business Opportunity

at WICHITA, KANSAS

For an up-to-date Granite Polishing Plant. A splendid quality of Red Granite within a short distance of the city. Wichita has a population of forty thousand, and has excellent distributing facilities for jobbing or manufacturing industries. Quarries inexhaustible, and demand for building material and monuments rapidly increasing by reason of excessive influx of population to Texas, Oklahoma, New Mexico, Colorado and Kansas. Natural Gas for manufacturing purposes, and good homes for laborers.

WRITE THE

Wichita Commercial Club

FOR FURTHER INFORMATION.

Established 1869.

(Paid-up Capital \$150,000.00)

Incorporated 1890.

Schneider Granite Company,

Producers of

**Missouri Red Granite for Monumental Work,
Building Work, Paving, Flagging, Curbing, Polishing and** CRUSHED
GRANITE.

Quarries: Graniteville, Iron County, Mo.

General Office: Fullerton Building, St. Louis, Mo.

Address all communications to General Office.

CUSTOM HOUSES: St. Louis, Mo., Cincinnati, Ohio,
Memphis, Tenn.

STATE HOUSE, Springfield, Ill.

TRACTION BUILDING, Cincinnati, Ohio.

New Washington University Buildings, St. Louis,

Columns in Flood Building, San Francisco, Cal.

and the ST. LOUIS new CITY HALL

erected with our granite.

ESTIMATES FURNISHED FOR ALL
KINDS OF WORK.

CONSOLIDATED GRANITE CO., Proprietors.

NORTH CAROLINA BLUE PEARL GRANITE

VERY DARK BLUE—Compact—Uniform Color and Texture. Shows
no scale. Positively will not corrode.

LETTERING AND HAMMERED WORK shows GRAY, making a
contrast unequalled.

FULL MODERN EQUIPMENT for Squaring, Polishing and Finishing.
SPECIAL FREIGHT RATES in effect to all sections of the United
States.

WRITE FOR CATALOGUE AND SAMPLE. Estimates promptly
furnished on special designs.

Consolidated Granite Co., Winston-Salem, N. C.

(SUCCESSORS TO C. A. McALLIARD & SON)



THIS is a sample of the work we turn out. We do our work so that our customers come again and they stay. We manufacture all classes of work from Mausoleums to Markers and as we have surfacing and all kinds of pneumatic tools, it enables us to furnish orders on contract time and at reasonable prices, considering the quality of work.

Our specialty is Carved and Hammered work.

SMITH BROS. GRANITE CO., Barre, Vermont

Stephens & Gerrard, Barre, Vt.



THIS is a portion of our quarry, sheets from 9 to 15 feet thick, in any height. Very best Light and Medium Barre Granite. Rough stock furnished to limit of transportation.

Stephens & Gerrard,

QUARRIERS AND MANUFACTURERS.

BARRE, VERMONT

Manufacturers of

Barre Granite

In all Classes of Work

C. W. McMillan & SON

BARRE, VT.



E. ABBIATTI & BROS.

Specialty in

HIGH-CLASS CARVING

Manufacturers and Wholesalers of

CEMETERY WORK
in Barre Granite.

OFFICE AND WORKS:

BARRE, VERMONT.

Successors to
Emile, McLeod & Co.

Frenier's Sand Pump

For Feeding Sand, Steel or Shot for

Sawing Stone



Saws faster, uses less sand and water and requires less power and repairs than any other. Runs only 20 revolutions per minute. Pays for itself in six months. Used by the Best and Largest mills. Send for full description and prices.

FRENIER & SON,

RUTLAND, VERMONT

We have a granite here that is giving as good satisfaction as Barre for hammered and rock faced work, and is cheaper. Let us quote you prices on your monumental work

Stewart Granite Works

Headquarters for Monumental Work
HARDWICK, VT.

Tell 'em you saw it in ROCK PRODUCTS.

BURIAL VAULTS

No Artificial Stone Plant is complete unless they manufacture the **Parry Patent Burial Vault**. Perfectly air-tight and water Proof. Secure your county on royalty. A money maker. Address

L. L. PARRY, Mansfield, Ohio.

P. O'BRIEN,

MANUFACTURER OF AND
DEALER IN

FINE MONUMENTS

**Furnishes Good Work
at Reasonable Prices.**

OFFICE AND WORKS:

49 Granite St., Quincy, Mass.

For quick action try the Wanted and
For Sale Department.

BOILERS and ENGINES

**Tanks, Stacks, Standpipes and
Sheet-iron Work.**

**Shafting, Pulleys, Gearing, Boxes, Hangers, etc.
Building Castings—cast every day.**

Capacity 800 hands.

**Large stock of Pipe, Pumps, Injectors, Valves,
and Fittings.**

**LOMBARD FOUNDRY, MACHINE and
BOILER WORKS. Augusta, Ga.**



We have no Superiors in the
CARVING AND STATUARY LINE

TRY US.

RIZZI BROS.,

BARRE, VERMONT.

Granite City Polishing Machine.

Power Hoist with ball bearing,
Rope Buffers and Scroll Wheels,
Air Compressors and Auto-
matic Tools. New and Second-
hand Engines, Boilers, etc.
WRITE FOR WANTS.

W. A. LANE,
BARRE, VERMONT.

Manufacturer and
Wholesaler of
EVERY TYPE OF

**Oolitic
Monuments.**

Rustic work a specialty.
Prices right.
Estimates cheerfully
made.

R. H. CARPENTER,
BLOOMINGTON, IND.

**STONE CUTTERS**

SAVE LABOR.

**USE
Nash's Expeditious Measurer.**

A book containing 200 pages of indexed tables,
which show at a glance the cubic contents of
any stone according to its length, breadth and
depth. Used by stone workers all over the
world. Order of your bookseller or address the
publisher. 1904 edition printed entirely from
new plates. Price, \$2.00 postpaid.

A. L. NASH,
17 State Street, NEW YORK.

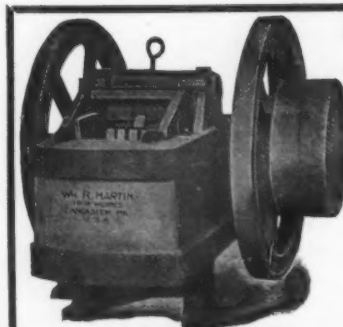
AVOID ERRORS.

SAVE TIME.

FOR SALE.

Right and left hand, one, two and
three way Switches of various
gauges, radius and weight rail, at
special prices.

THE ATLAS CAR & MFG. CO., Cleveland, O.



**ROCK
AND ORE
Crushers**

for MINES
and QUARRIES

every one
guaranteed

"MARTIN"
**LANCASTER,
PENNA.**

SEND FOR CATALOGUE.

Finerty's Granite Stain Eradicator

REMOVES IRON, SAP, AND OTHER STAINS
FROM GRANITE WITHOUT INJURY TO THE STONE.

WRITE FOR IT.

J. W. FINERTY, Milford, N. H.



T. C. Caummisar & Sons,
MANUFACTURERS OF

**EXCELSIOR for Stone
and Monumental Work**

LOWEST PRICES. BEST QUALITY.
123 Third Street, LOUISVILLE, KY.

ENGINE BARGAINS.

Five 10 horse-power.
Seven 14 horse-power.
Four 20 horse-power.
Double Cylinder, Double Friction Drum Hoisting Engine
Other sizes made to order at lowest prices.

**STROUDSBURG ENGINE WORKS,
STROUDSBURG, PA.**

SLATE.

Before placing your order for
any of the following articles it will
pay you to communicate with the
undersigned and secure their
prices.

Treads Urinal Stalls
Risers Laundry Tubs
Platforms Sinks
Blackboards Tiling, etc.

The Penna. Structural Slate Co.,
EASTON, PA.

WHO WANTS SLATE?

Roofing Slate for Houses, Barns, &c. Always Clean, Beautiful
and fire proof.
Black-boards for Schools, Colleges, &c. Needs no commend-
ation; universally used all over this and other Countries.
Structural Slate. Electrical stock, Sinks, Troughs, Washtubs;
&c. Superior to all stone for such purposes.
Slater's Supplies. Handmade Slating Tools, Felt, Cement
Nails, Snow-guards, Punching-machines, &c.
Write for prices and I will tell you all about Slate.
David McKenna, Slatington, Pa., U. S. A

CONTRACTORS!

May we send you
FREE
(express prepaid)
for examination
a pair of the
famous

**Rubberhide
Boots**



uppers of
best rub-
ber; heavy
leather
outsole;
rubber wet leather insole, all joined together
so that your best team of horses can't pull
them apart. **Sewed, not pegged.** Can't leak;
protects the feet; **snag-proof.** We guarantee
them to outwear two pairs of best quality rub-
ber boots.

Our business has more than doubled in the
past year, the increase going largely to con-
tractors. More than 2,000 pairs in use in
(Penn) Hudson River Tunnel.

We want to send you a pair at our expense
for examination. No obligation on your part.

Rubberhide Co.,

633 Essex Bldg., Boston, Mass.

Send for prices on this design in

Quincy Granite

You can depend upon our reliability. Try it and see. Samples and designs furnished on order.

John R. Richards
QUINCY, - - MASS.



GEORGE RUXTON, MANUFACTURER GRANITE MONUMENTS

FROM ALL KINDS OF New England Granites.

QUINCY, MASS.

MY MOTTO: Good Work and "A Square Deal." TRIAL ORDERS SOLICITED.

J. W. PERRY,

MANUFACTURER OF MONUMENTS

FROM THE BEST QUINCY AND NEW ENGLAND GRANITES

Pneumatic Tools used for all Carving and Lettering.

SEND FOR ESTIMATES.

Office and Works, Willard Street, : : WEST QUINCY, MASS.

D. E. CAMERON, Manufacturer and Dealer in All Kinds of New England Granite

Cor. Nightingale Ave. and Gilbert St.,

QUINCY, - - MASS.

T. F. MANNEX,

PROPRIETOR OF THE FAMOUS

A. Reinhalter Extra Dark Quincy Granite Quarry.

Rough Stock for sale to the trade, also finished monuments, and every description of cemetery work. Rolls, Columns, Balls, Vases, Round Monuments, Balusters, etc. Turned and Polished.

T. F. MANNEX, West Quincy, Mass.

Every Facility at Hand

FOR Turning and Rounding all kinds of Granite in the Monumental and Building Lines.

Prices cheerfully quoted

Robert Cantley

QUINCY, MASS.



One of 600 Balusters turned out for the P. R. R. Station, New York City.

The Granite Railway Co.

SOLE PRODUCERS OF THE FAMOUS

Dark Blue "RAILWAY" Granite

Monumental and Building Work of all Kinds,
Our Specialty—Fine Polishing—Prompt Shipments.

BATES AVENUE, WEST QUINCY, MASS.
Trains from track 21, South Station, Boston, at 16 minutes past each hour of the day.

The Granite Exchange Company

BOOK AND KEY

Containing Ratings of the Granite, Stone, Marble, Quarries, Monumental Dealers and Workers throughout the United States and Canada. Special facilities for reporting everywhere. Legal correspondents under contract in towns and cities in the United States and Canada. Subscription Price, \$25.00 per year, including Reports. References furnished if desired. Address REED O. OXNARD, Secretary and Manager, 1011-13 Pemberton Building, Pemberton Square, : : BOSTON, MASSACHUSETTS.

GOLBRANSON & COMPANY,

Dealers and Manufacturers of

Granite Monuments and Statuary

Stock and Workmanship First Class. Lowest Possible Prices. Prompt Shipment.
ESTIMATES FURNISHED ON SHORT NOTICE.

Office and Works, Vernon Street, QUINCY, MASS.

John E. Smith.
Donald Smith.

N. D. Phelps,
Mgr.

John Trow.
H. A. Phelps.

Barre White Granite Co.,

Successors to WHEATON QUARRIES.

White Granite

FOR MONUMENTAL WORK,
CURBING AND PAVING.

Write For Quotations.

BARRE, VERMONT.

ORIGINATORS and
SOLE OWNERS

OF THE

"HAWK" BRAND STEEL

Long and favorably known. We will continue to supply our customers with this CELEBRATED BRAND as usual.

Hawkrige Bros.,

303 Congress St., Boston, Mass.



Reg. U. S. Patent Office,
Nos. 50932-51349.

We have been appointed

Sole New England Agents

FOR THE

Halcomb Steel Co.,

Syracuse, N. Y.

One of the best equipped mills in the world.

Producing

Hawk Brand for Points
Hawk Brand for Drills
Hawk Brand for Bush Hammers
Hawk Brand for Peen Hammers
and Standard Tool Steel for Drills, Etc.

Hawkrige Bros.,

303 Congress St., Boston, Mass.

Tell 'em you saw M in ROCK PRODUCTS.

Specialty of Large Work and Carving

Accompanying cut
represents our
class of work. Bot-
tom base is 6 ft.
3 in. square.

GIUDICI BROS.
BARRE, VT.



We have just purchased the entire Cutting Plant of McDonald, Cutler & Co. including their good will.

This big plant, with shed room 318 feet long, five polishing machines and all modern equipment, greatly increases our capacity and we want your business. Always ask us for prices when buying Barre work.

In order to introduce our work, we will make a special price for the next sixty days on the accompanying design. Send for price.

ECLAT GRANITE CO.

BARRE, VT.

Successors to McDONALD, CUTLER & CO.

THE 1000 CAR LOADS
of fine hammered

WOODBURY GRANITE

Used on the exterior of this structure.



THE NEW STATE CAPITOL BUILDING, Harrisburg, Pa.

was quarried, cut, carved, etc., set and washed
down in less than two years time by the

WOODBURY GRANITE CO.,

Geo. H. Bickford, Manager.

Main Office: HARDWICK, VT.

BRANCH OFFICES.

1 Madison Ave., NEW YORK CITY. 925 Tremont Building, BOSTON, MASS.

132 La Salle Street, CHICAGO, ILL.

1101 Farmers' Bank Building,

PITTSBURG, PA.

CARBORUNDUM.

Grans, rubstones, wheels, and all other carborundum products. Carborundum is the most rapid cutting abrasive known.

DAVID MOWAT'S SCOTCH STEEL SHOT.

The secret in making steel shot is the tempering. If it is too soft it will flatten and go to mud, if it is too hard it will roll under the wheels and saws, but if it is tempered right it will cut from the start to the finish. We guarantee Mowat's Scotch Steel Shot to be just right.

MARVELOUS PUTTY POWDER.

It will buff marble and granite in one-half the time of any other putty powder, is twice the bulk of other putty powders on the market, and requires no more in bulk, consequently goes twice as far.

HAND POLISHERS KIT.

We put up an outfit, including everything necessary to polish granite by hand, and give full instructions how to use the material. Price \$8.00 f. o. b. cars Montpelier.

REVERSIBLE FELT BUFFERS

Are far superior to all other buffers and save two-thirds the time.

Price list and samples on application.

R. C. BOWERS GRANITE CO.

MONTPELIER, VT.

No. 20 Correction Wynd,
Aberdeen, Scotland.

No. 27 Chancery Lane,
London, Eng.

Tell 'em you saw it in ROCK PRODUCTS.

FOUR BIG COMPANIES

**Under One
Management**



Best Barre Light and Medium

Stock Furnished to Limit of Transportation.

CONSOLIDATED QUARRY COMPANY, BARRE, VERMONT.

J. W. McDONALD, Pres. and Gen. Mgr.

C. A. WORDEN, Vice-Pres.

F. T. CUTLER, Treasurer.

D. W. McDONALD, Superintendent.

JOHN E. SMITH.

ESTABLISHED 1868.

DONALD SMITH

E. L. SMITH & CO.

QUARRY OWNERS AND
WHOLESALE DEALERS IN

LIGHT, MEDIUM
AND DARK
BARRE GRANITE

Rough stock of any dimensions
to the limit of transportation
promptly furnished at all times.



Quarries and Cutting Works: :: :: :: **BARRE, VERMONT**

WETMORE & MORSE GRANITE CO.

Finest Light
and Medium

GRANITE

for Monumental
or Building Work.

Any Dimensions
Furnished to Limit
of Transportation.

Stock for
Large Work
a Specialty.



QUARRIES AT BARRE, VT.

OFFICE: MONTPELIER, VT.

J. K. PIRIE

Proprietor of the Quarry formerly known as

THE WELLS, LAMSON & CO., DARK QUARRY, Graniteville, Vt.

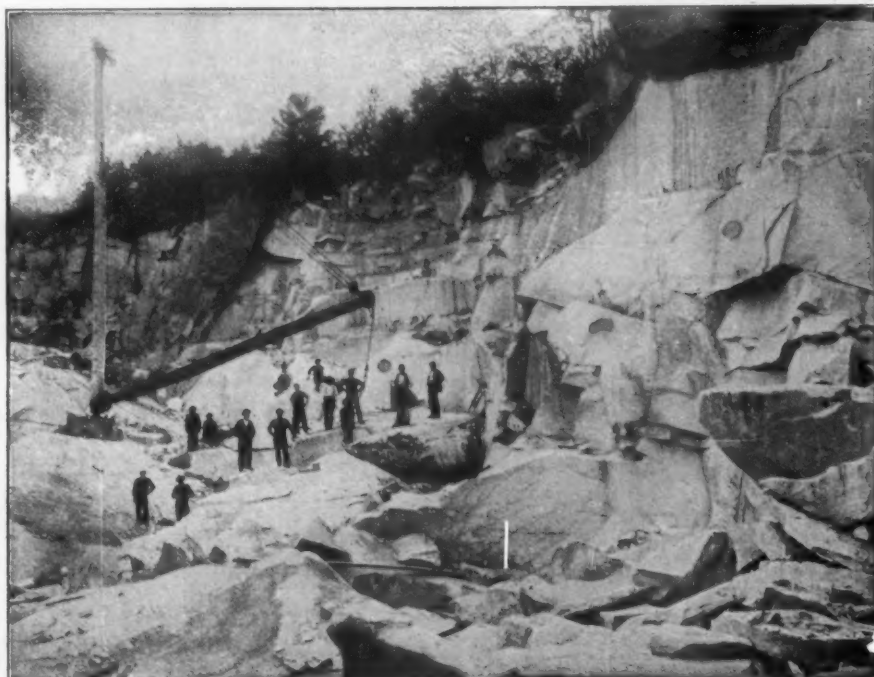
I have been in the company known as Wells, Lamson & Co. for 21 years and had the personal supervision of this quarry during that period.



Rough stock furnished to the limit of transportation.

Stock squared and polished for the trade.

Only five quarries in Barre producing dark granite and mine is second to none.



Among the important contracts for which the Granite was supplied from my quarry, are the following:

Broom County Soldiers and Sailors Monument, erected at Binghamton, N. Y.

Soldiers and Sailors Monument, erected at Kokomo, Ind.

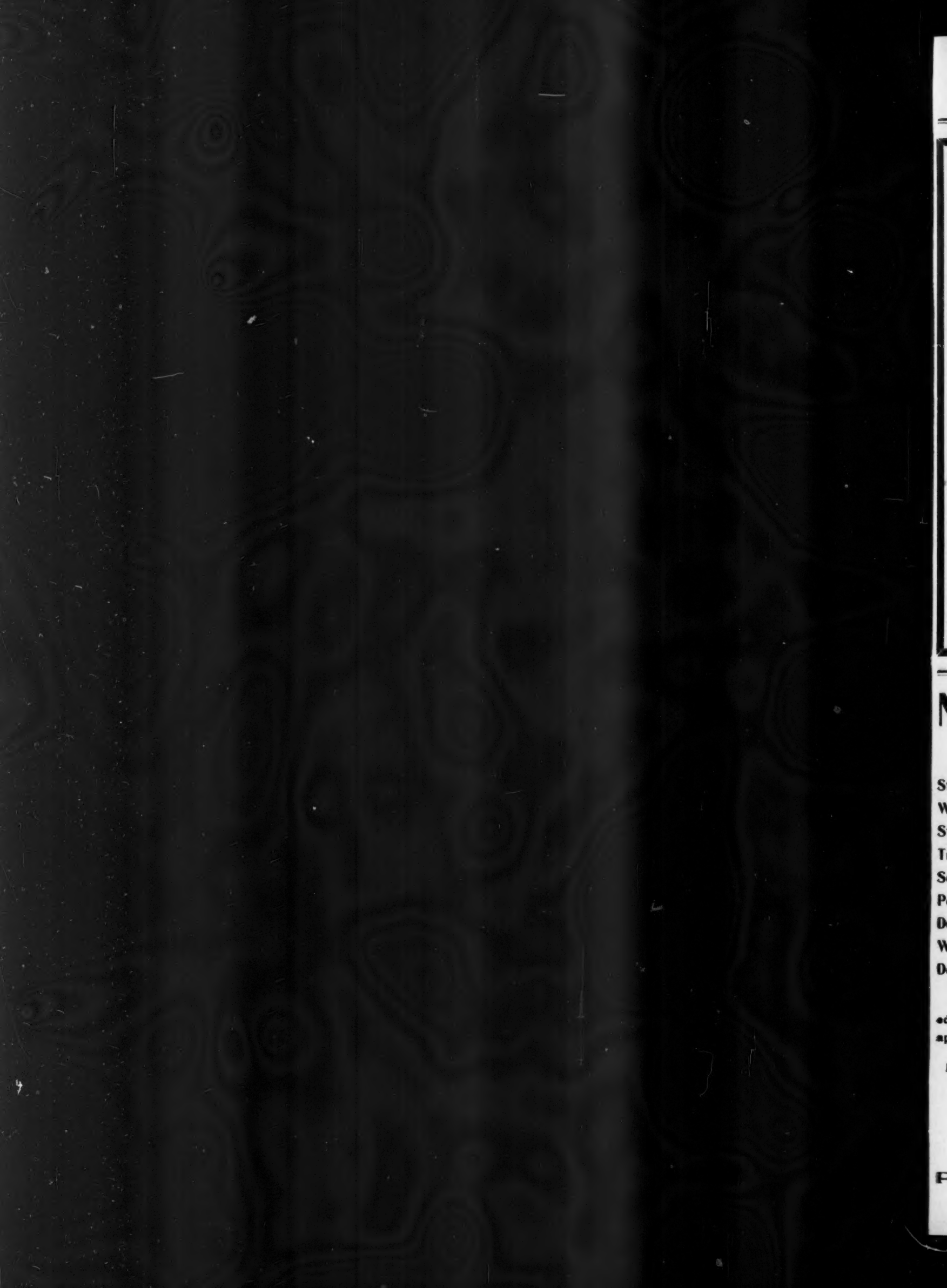
Soldiers Monument, at Wellsboro, Pa.

Polished Columns and Carved Capitals for Mausoleum, erected by John L. Flood, at San Francisco, Cal.

Monument erected to Hon. A. B. Martin, at Lynn, Mass. One of the finest private monuments in New England.

Tell 'em you saw it in ROCK PRODUCTS.





S
W
S
T
S
P
D
W
D

ed
ap

R

Diamond Saws

Single and Double Platen of Improved Designs.

Belt or Motor Driven.

All up-to-date Features.

Send us your Inquiries.

F. R. PATCH MANUFACTURING CO.

Specialists in Stone Working Machinery

Rutland, - - - - - Vermont

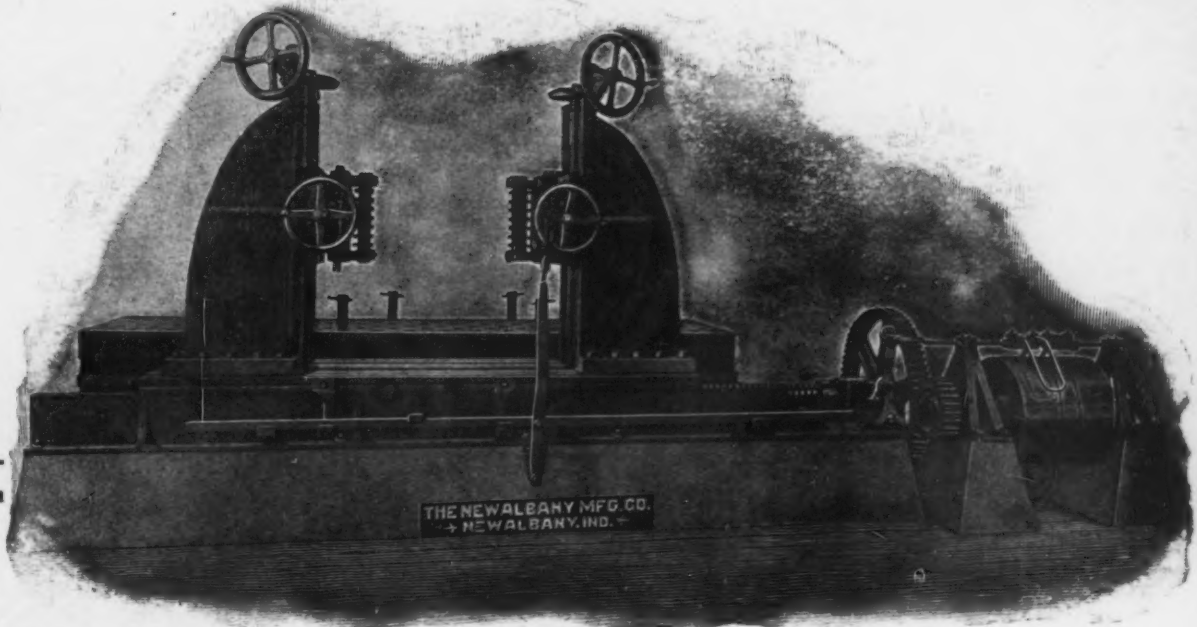
NEW ALBANY STONE-WORKING MACHINERY

OUR SPECIALTIES

Stone Planers,
Wardwell Channelers,
Steam and Electric
Traveling Cranes,
Screw Feed Gangs,
Power Hoists,
Derrick Irons,
Wire Rip Saws,
Derrick Turners, Etc.

Circular matter furnish-
ed and prices quoted on
application.

Mills Erected Complete
Ready to Run.



OUR 9 FT. X 3 FT. 6 IN. HEADER OR JOINTER.

THE NEW ALBANY MANUFACTURING CO.

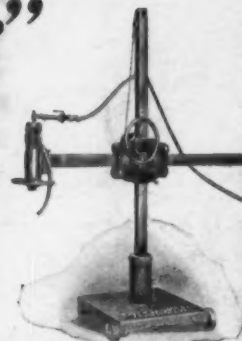
P. O. BOX 423.

NEW ALBANY, IND.

If you wish Efficiency,
 If you wish Durability,
 If you wish the most Economical Machine Built,
 If you wish the Most Deservedly Popular small Surfer in the Country,
 If you wish to be Satisfied with your choice of a Surfer,
 If you wish a Surfer that will Speedily Repay its Cost,
 If you wish to make the Most Profitable Investment Possible in small Surfers,

BUY

The Dallett "Junior"



WRITE FOR CIRCULAR.

THOS. H. DALLETT CO.

23rd AND YORK STS.

PHILADELPHIA, PA.

Wonder Air Hammer Rock Drills



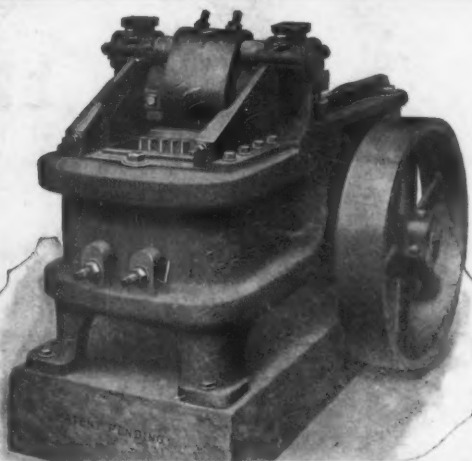
No. 1 Wonder Drill.

Have won out in severe Competitive Contests and are fully Guaranteed to do your work Satisfactory.
 Light, Convenient, Reliable and easily operated by one man. Write for Catalog.

HARDSOEG WONDER DRILL CO. Ottumwa, Iowa. U. S. A.

Address Nearest Office for Information.

Denver, 439 17th St. Salt Lake City, 42 West 2nd St. Los Angeles, 212 S. Los Angeles St. Mexico, D. F. la San Francisco No. 7. El Paso, 412 N. Oregon St. Nogales, Arizona.
 Oakland, Cal., 1222 Franklin St. Portland, Ore., 100 1st St. Seattle, 546 1st Ave., South. Butte, 56 Broadway, East. New York City, 68 Broad St. Chattanooga, Tenn., 6 E. 6th St.



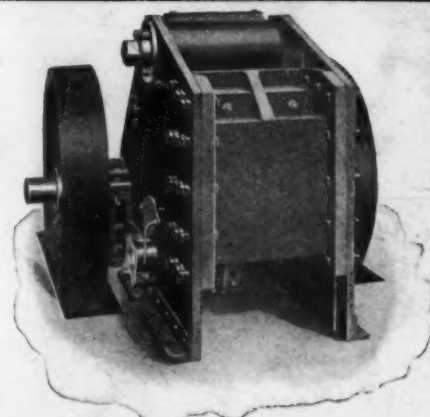
Crushers, Rolls, Screens GRINDING MILLS 30 KINDS

THE LARGEST LINE BUILT.

Our Catalogue will show you
 the best machine for your
 special requirements.

STURTEVANT MILL CO.

105 CLAYTON STREET,
 BOSTON, MASS.



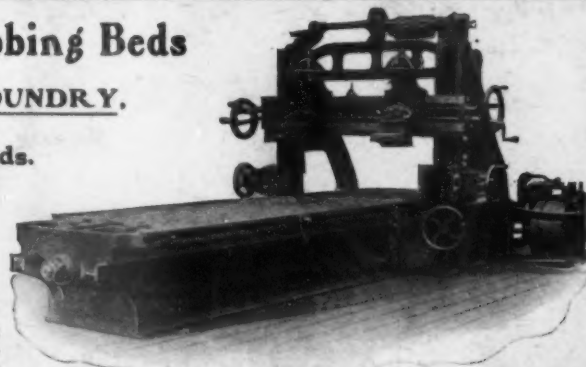
Stone Planers and Rubbing Beds

BUILT BY THE
BIRMINGHAM IRON FOUNDRY,
 DERBY, CONN.

Regular Planers with Four Heads.
 Open Side Planers,
 Twin Planers,
 Headers and Groovers.



The Swing Upright can
 be let down, thus mak-
 ing it an open side planer
 for wide stone.



AUGUST JOHNSTON.

Bowling Green Building.

SELLING AGENT.

11 Broadway, NEW YORK, N. Y.